

Band 2 Ant0 DS12 Simultaneous													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mean Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	22.78	23.15	22.89	24	0					
20	QPSK	1	49	22.81	22.78	22.73							
20	QPSK	1	99	22.79	22.74	22.68							
20	QPSK	50	0	22.80	22.83	22.77							
20	QPSK	50	24	22.85	22.81	22.82	24	0					
20	QPSK	50	50	22.79	22.74	22.80							
20	QPSK	100	0	22.83	22.85	22.82							
20	QPSK	100	0	23.10	23.11	23.11							
20	16QAM	1	49	23.05	23.14	23.13	24	0					
20	16QAM	1	99	23.05	23.00	23.01							
20	16QAM	50	0	22.39	22.35	22.38							
20	16QAM	50	24	22.44	22.40	22.42							
20	16QAM	50	50	22.40	22.34	22.37	24	0					
20	16QAM	100	0	22.44	22.40	22.41							
20	16QAM	1	0	22.88	22.88	22.88							
20	16QAM	1	49	23.03	22.94	22.89							
20	16QAM	1	99	22.77	22.80	22.85	24	0					
20	16QAM	50	0	22.40	22.34	22.36							
20	16QAM	50	24	22.44	22.40	22.37							
20	16QAM	50	50	22.38	22.35	22.39							
20	16QAM	100	0	22.40	22.39	22.41	24	0					
20	256QAM	1	0	18.07	18.15	18.07							
20	256QAM	1	49	19.05	19.11	19.07							
20	256QAM	1	99	19.03	19.10	19.10							
20	256QAM	50	24	18.79	18.85	18.87							
20	256QAM	50	50	18.83	18.87	18.78	20	4					
20	256QAM	100	0	18.83	18.80	18.78							
20	256QAM	100	0	18.83	18.80	18.78							
20	256QAM	100	0	18.83	18.80	18.78							
Channel													
Frequency (MHz)													
16	QPSK	1	0	22.65	22.63	22.65	24	0					
16	QPSK	1	37	22.60	22.67	22.68							
16	QPSK	1	74	22.60	22.62	22.60							
16	QPSK	36	0	22.66	22.65	22.64							
16	QPSK	36	36	22.60	22.66	22.64	24	0					
16	QPSK	36	36	22.68	22.66	22.68							
16	QPSK	75	0	22.72	22.68	22.69							
16	QPSK	75	0	23.12	22.88	23.03							
16	16QAM	1	37	22.38	22.39	22.39	24	0					
16	16QAM	1	20	22.60	22.66	22.66							
16	16QAM	36	0	22.27	22.22	22.26							
16	16QAM	36	20	22.33	22.31	22.25							
16	16QAM	36	20	22.33	22.31	22.25	24	0					
16	16QAM	75	0	22.32	22.27	22.22							
16	16QAM	75	0	22.32	22.27	22.22							
16	16QAM	1	0	22.85	22.87	22.77							
16	16QAM	36	0	22.68	22.64	22.68	24	0					
16	16QAM	1	74	22.78	22.73	22.83							
16	16QAM	36	36	22.28	22.28	22.29							
16	16QAM	36	36	22.27	22.23	22.25							
16	16QAM	75	0	22.33	22.28	22.23	24	0					
16	16QAM	75	0	22.33	22.28	22.23							
16	16QAM	1	0	18.06	18.06	18.06							
16	256QAM	1	37	19.00	19.00	19.00							
16	256QAM	1	74	19.01	19.01	19.06	20	4					
16	256QAM	36	0	18.78	18.86	18.86							
16	256QAM	36	20	18.72	18.79	18.78							
16	256QAM	36	36	18.72	18.86	18.88							
16	256QAM	75	0	18.73	18.78	18.78	20	4					
16	256QAM	75	0	18.73	18.82	18.83							
16	256QAM	75	0	18.73	18.82	18.83							
16	256QAM	75	0	18.73	18.82	18.83							
Channel													
Frequency (MHz)													
10	QPSK	1	0	22.72	22.74	22.71	24	0					
10	QPSK	1	25	22.77	22.77	22.78							
10	QPSK	1	49	22.85	22.81	22.72							
10	QPSK	25	0	22.80	22.75	22.78							
10	QPSK	25	12	22.88	22.80	22.78	24	0					
10	QPSK	25	25	22.79	22.74	22.78							
10	QPSK	50	0	22.82	22.78	22.79							
10	QPSK	50	0	23.02	23.08	23.11							
10	16QAM	1	25	23.09	23.10	23.11	24	0					
10	16QAM	1	20	23.08	22.96	23.08							
10	16QAM	25	0	22.39	22.35	22.38							
10	16QAM	25	12	22.46	22.43	22.43							
10	16QAM	25	12	22.46	22.43	22.43	24	0					
10	16QAM	50	0	22.37	22.35	22.40							
10	16QAM	50	0	22.38	22.37	22.38							
10	16QAM	1	0	23.01	22.95	22.87							
10	16QAM	1	49	22.78	22.80	22.85	24	0					
10	16QAM	25	0	22.37	22.36	22.41							
10	16QAM	25	12	22.45	22.42	22.41							
10	16QAM	25	25	22.38	22.33	22.40							
10	16QAM	50	0	22.39	22.35	22.35	24	0					
10	256QAM	1	0	19.05	19.12	19.05							
10	256QAM	1	25	18.95	19.10	19.09							
10	256QAM	1	49	18.97	19.05	19.01							
10	256QAM	25	0	18.73	18.85	18.88	20	4					
10	256QAM	25	12	18.71	18.81	18.78							
10	256QAM	25	25	18.75	18.87	18.71							
10	256QAM	50	0	18.74	18.82	18.78							
10	256QAM	50	0	18.74	18.82	18.78	20	4					
10	256QAM	50	0	18.74	18.82	18.78							
10	256QAM	50	0	18.74	18.82	18.78							
10	256QAM	50	0	18.74	18.82	18.78							
Channel													
Frequency (MHz)													
5	QPSK	1	0	22.73	22.73	22.73	24	0					
5	QPSK	1	12	22.76	22.76	22.77							
5	QPSK	1	24	22.68	22.67	22.78							
5	QPSK	13	0	22.82	22.75	22.78							
5	QPSK	12	7	22.83	22.80	22.81	24	0					
5	QPSK	12	13	22.73	22.70	22.72							
5	QPSK	25	0	22.75	22.73	22.79							
5	QPSK	25	0	22.79	22.74	22.80							
5	16QAM	1	0	23.14	23.14	23.14	24	0					
5	16QAM	1	14	22.95	23.01	22.99							
5	16QAM	1	28	22.44	22.47	22.41							
5	16QAM	8	4	22.43	22.44	22.44							
5	16QAM	8	7	22.43	22.39	22.43	24	0					
5	16QAM	8	7	22.38	22.38	22.37							
5	16QAM	8	0	22.91	22.89	22.83							
5	16QAM	8	0	22.80	22.95	22.94							
5	16QAM	8	4	22.73	22.73	22.71	24	0					
5	16QAM	8	4	22.35	22.38	22.39							
5	16QAM	8	4	22.35	22.38	22.38							
5	16QAM	16	0	22.26	22.26	22.26							
5	256QAM	1	0	19.02	19.13	19.02	20	4					
5	256QAM	1	12	18.94	19.01	19.00							
5	256QAM	1	24	18.94	19.01	19.00							
5	256QAM	1	14	18.97	19.10	19.06							
5	256QAM	8	0	18.88	18.93	18.94	20	4					
5	256QAM	8	4	18.78	18.78	18.78							
5	256QAM	8	7	18.74	18.87	18.72							
5	256QAM	16	0	18.72	18.82	18.79							
5	256QAM	16	0	18.72	18.82	18.79	20	4					
5	256QAM	16	0	18.72	18.82	18.79							
5	256QAM	16	0	18.72	18.82	18.79							
5	256QAM	16	0	18.72	18.82	18.79							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	22.73	22.74	22.78	24	0					
1.4	QPSK	1	24	22.74	22.74	22.74							
1.4	QPSK	1	5	22.41	22.65	22.68							
1.4	QPSK	3	0	22.56	22.78	22.79							
1.4	QPSK	3	3	22.79	22.79	22.79	24	0					
1.4	QPSK	3	3	22.72	22.73	22.73							
1.4	QPSK	3	0	22.76	22.75	22.75							
1.4	QPSK	3	11	22.07	22.08	22.08							
1.4	16QAM	1	3	23.09	23.08	23.13	24	0					
1.4	16QAM	1	5	23.08	23.01	23.13							
1.4	16QAM	1	3	22.91	22.96	22.96							
1.4	16QAM	1	3	22.95	22.99	22.94							
1.4	16QAM	3	3	22.86	22.82	22.87	24	0					
1.4	16QAM	3	3	22.49	22.38	22.48							
1.4	16QAM	3	0	22.92	22.97	22.93							
1.4	16QAM	3	0	22.86	22.87	22.87							
1.4	16QAM	3	0	22.84	22.77	22.84	24	0					
1.4	16QAM	3	0	22.92	22.76	22.98							
1.4	16QAM	3	0	22.92	22.76	22.97							
1.4	16QAM	3	0	22.92	22.65	22.40							
1.4	16QAM	3	0	22.97	22.88	22.87	24	0					
1.4	16QAM	3	0	22.97	22.88	22.87							
1.4	16QAM	3	0	22.97	22.88	22.87							
1.4	16QAM	3	0	22.97	22.88	22.87							
1.4	16QAM	3	0	22.97	22.88	22.87	24	0					
1.4	16QAM	3	0	22.97	22.88	22.87							
1.4	16QAM	3	0	22.97	22.88	22.87							
1.4	16QAM	3	0	22.97	22.88	22.87							
1.4	16QAM	3	0	22.97	22.88	22.87	24	0					
1.4	16QAM	3	0	22.97	22.88	22.87							
1.4	16QAM	3	0	22.97	22.88	22.87							
1.4	16QAM	3	0	22.97	22.88	22.87							
1.4	16QAM	3	0	22.97									



Band 7 Ant0 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.37	23.53	23.45			
20	QPSK	1	49	23.42	23.58	23.50	24	0	
20	QPSK	1	99	23.44	23.59	23.43			
20	QPSK	50	0	23.39	23.47	23.46			
20	QPSK	50	24	23.35	23.45	23.41	24	0	
20	QPSK	50	50	23.42	23.53	23.45			
20	QPSK	100	0	23.41	23.48	23.45			
20	QPSK	100	0	23.50	23.48	23.41			
20	16QAM	1	49	23.28	23.48	23.21	24	0	
20	16QAM	1	99	23.28	23.18	23.29			
20	16QAM	1	99	23.37	23.34	23.50			
20	16QAM	50	24	22.84	22.77	22.98	24	0	
20	16QAM	50	50	22.82	22.86	22.84			
20	16QAM	100	0	22.81	22.85	22.81			
20	64QAM	1	0	22.97	23.45	22.59			
20	64QAM	1	49	22.83	23.34	22.42	24	0	
20	64QAM	1	99	23.37	23.34	23.50			
20	64QAM	50	0	22.86	22.59	22.78			
20	64QAM	50	24	22.83	22.79	22.82	24	0	
20	64QAM	50	50	22.82	22.87	22.82			
20	64QAM	100	0	22.79	22.83	22.80			
20	256QAM	1	49	19.53	19.60	19.45	20	4	
20	256QAM	1	99	19.43	19.66	19.51			
20	256QAM	50	24	19.47	19.58	19.50			
20	256QAM	50	24	19.18	19.28	19.45	20	4	
20	256QAM	50	50	19.26	19.23	19.28			
20	256QAM	100	0	19.25	19.26	19.25			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.21	23.48	23.30			
15	QPSK	1	31	23.23	23.34	23.30	24	0	
15	QPSK	1	74	23.35	23.43	23.41			
15	QPSK	50	0	23.30	23.38	23.34			
15	QPSK	50	24	23.19	23.38	23.38	24	0	
15	QPSK	36	39	23.28	23.18	23.42			
15	QPSK	75	0	23.34	23.46	23.40			
15	16QAM	1	0	23.40	23.41	23.34			
15	16QAM	1	37	23.15	23.30	23.03	24	0	
15	16QAM	1	74	23.27	23.29	23.12			
15	16QAM	36	0	22.56	22.60	22.61			
15	16QAM	36	20	22.57	22.70	22.68	24	0	
15	16QAM	36	39	22.56	22.57	22.72			
15	16QAM	75	0	22.64	22.81	22.69			
15	64QAM	1	0	23.36	23.41	23.35			
15	64QAM	1	74	23.33	23.30	23.30			
15	64QAM	36	0	22.63	22.58	22.61			
15	64QAM	36	20	22.72	22.71	22.78	24	0	
15	64QAM	36	39	22.52	22.72	22.73			
15	64QAM	75	0	22.61	22.71	22.78			
15	256QAM	1	37	19.43	19.46	19.47	20	4	
15	256QAM	1	74	19.50	19.63	19.51			
15	256QAM	36	20	19.15	19.25	19.41	20	4	
15	256QAM	36	39	19.18	19.17	19.27			
15	256QAM	75	0	19.18	19.25	19.23			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.03	23.10	23.06			
10	QPSK	1	5	23.07	23.05	23.05			
10	QPSK	1	25	23.38	23.34	23.48	24	0	
10	QPSK	1	49	23.43	23.34	23.38			
10	QPSK	25	0	23.36	23.38	23.30			
10	QPSK	25	12	23.28	23.38	23.21	24	0	
10	QPSK	25	25	23.42	23.15	23.27			
10	QPSK	36	39	23.32	23.38	23.30			
10	16QAM	1	0	23.33	23.29	23.35			
10	16QAM	1	26	23.38	23.41	23.20	24	0	
10	16QAM	25	0	22.71	22.73	22.60			
10	16QAM	25	12	22.76	22.74	22.68	24	0	
10	16QAM	25	26	22.70	22.91	22.84			
10	16QAM	50	0	22.63	22.75	22.74			
10	64QAM	1	0	23.26	23.39	23.35			
10	64QAM	1	24	23.34	23.27	23.40	24	0	
10	64QAM	1	49	23.34	23.15	23.49			
10	64QAM	25	0	22.47	22.43	22.69			
10	64QAM	25	12	22.65	22.67	22.77	24	0	
10	64QAM	25	25	22.63	22.68	22.72			
10	64QAM	50	0	22.71	22.63	22.75			
10	256QAM	1	5	19.46	19.60	19.51			
10	256QAM	1	25	19.43	19.60	19.46	20	4	
10	256QAM	1	49	19.41	19.63	19.44			
10	256QAM	25	0	19.31	19.40	19.15			
10	256QAM	25	12	19.23	19.22	19.42	20	4	
10	256QAM	25	25	19.28	19.24	19.20			
10	256QAM	50	0	19.19	19.20	19.23			

Band 12 Ant0 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turnup time (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.63	22.76	22.67			
10	QPSK	1	25	22.69	22.68	22.64	24	0	
10	QPSK	1	49	22.61	22.62	22.61			
10	QPSK	25	0	22.64	22.75	22.62			
10	QPSK	25	12	22.59	22.58	22.72	24	0	
10	QPSK	25	25	22.70	22.67	22.71			
10	QPSK	50	0	22.70	22.75	22.72			
10	16QAM	1	0	22.66	22.67	22.59			
10	16QAM	1	25	22.59	22.47	22.50	24	0	
10	16QAM	1	49	22.61	22.47	22.56			
10	16QAM	25	0	22.69	22.59	22.63			
10	16QAM	25	12	22.64	22.70	22.59	24	0	
10	16QAM	25	25	22.63	22.61	22.66			
10	16QAM	50	0	22.52	22.64	22.49			
10	64QAM	1	0	22.51	22.59	22.51			
10	64QAM	1	25	22.50	22.48	22.51	24	0	
10	64QAM	1	49	22.62	22.57	22.45			
10	64QAM	25	0	22.63	22.56	22.46			
10	64QAM	25	12	22.62	22.70	22.65	24	0	
10	64QAM	25	25	22.52	22.64	22.49			
10	64QAM	50	0	22.59	22.52	22.59			
10	256QAM	1	0	19.06	19.25	19.31			
10	256QAM	1	25	18.10	19.27	19.17	20	4	
10	256QAM	1	49	18.92	19.38	19.20			
10	256QAM	25	0	18.89	19.00	19.01			
10	256QAM	25	12	18.84	18.85	19.02	20	4	
10	256QAM	25	25	18.77	18.88	18.99			
10	256QAM	50	0	18.93	18.99	18.92			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.50	22.57	22.54			
5	QPSK	1	12	22.62	22.53	22.60	24	0	
5	QPSK	1	24	22.58	22.60	22.40			
5	QPSK	12	0	22.63	22.62	22.46			
5	QPSK	12	7	22.49	22.54	22.68	24	0	
5	QPSK	12	13	22.63	22.54	22.57			
5	QPSK	25	0	22.60	22.74	22.59			
5	16QAM	1	0	22.41	22.41	22.34			
5	16QAM	1	12	22.32	22.28	22.40	24	0	
5	16QAM	1	19	22.38	22.37	22.37			
5	16QAM	12	0	22.48	22.42	22.48			
5	16QAM	12	7	22.54	22.69	22.42	24	0	
5	16QAM	25	0	22.39	22.58	22.50			
5	64QAM	1	0	22.48	22.42	22.57			
5	64QAM	1	12	22.41	22.43	22.43	24	0	
5	64QAM	1	24	22.35	22.35	22.30			
5	64QAM	12	0	22.60	22.46	22.30			
5	64QAM	12	6	22.42	22.63	22.46	24	0	
5	64QAM	12	13	22.42	22.42	22.38			
5	64QAM	25	0	22.41	22.68	22.49			
5	256QAM	1	12	18.95	18.92	18.91	20	4	
5	256QAM	1	12	19.07	19.25	19.05			
5	256QAM	1	24	18.96	19.28	19.06			
5	256QAM	12	0	18.83	18.81	18.99	20	4	
5	256QAM	12	7	18.79	18.74	18.85			
5	256QAM	12	13	18.79	18.74	18.85	20	4	
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.43	22.43	22.43			
3	QPSK	1	8	22.55	22.48	22.62	24	0	
3	QPSK	1	14	22.52	22.52	22.48			
3	QPSK	8	0	22.46	22.46	22.46			
3	QPSK	8	4	22.47	22.48	22.71	24	0	
3	QPSK	8	7	22.64	22.51	22.63			
3	16QAM	1	0	22.37	22.45	22.48			
3	16QAM	1	8	22.49	22.38	22.34	24	0	
3	16QAM	1	14	22.45	22.42	22.44			
3	16QAM	8	0	22.39	22.49	22.41			
3	16QAM	8	4	22.52	22.52	22.52	24	0	
3	16QAM	8	7	22.43	22.53	22.51			
3	16QAM	16	0	22.45	22.48	22.54			
3	16QAM	16	8	22.48	22.53	22.58	24	0	
3	16QAM	16	14	22.32	22.38	22.50			
3	16QAM	1	14	22.36	22.44	22.38			
3	64QAM	1	0	22.45	22.53	22.43			
3	64QAM	8	4	22.57	22.50	22.57	24	0	
3	64QAM	8	7	22.38	22.41	22.62			
3	256QAM	1	0	19.06	19.19	19.30			
3	256QAM	1	8	18.99	19.17	19.02	20	4	
3	256QAM	1	14	18.92	19.20	19.07			
3	256QAM	8	0	18.79	19.05	18.98	20	4	
3	256QAM	8	4	18.76	18.81	18.99			
3	256QAM	8	7	18.71	18.76	18.93	20	4	
3	256QAM	16	0	18.86	18.85	18.87			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.62	22.59	22.73			
1.4	QPSK	1	8	22.56	22.65	22.61			
1.4	QPSK	1	15	22.63	22.58	22.64	24	0	
1.4	QPSK	8	0	22.58	22.67	22.51			
1.4	QPSK	8	7	22.47	22.49	22.59			
1.4	QPSK	16	0	22.53	22.54	22.53			
1.4	QPSK	16	8	22.58	22.63	22.51	24	0	
1.4	16QAM	1	0	22.49	22.54	22.52			
1.4	16QAM	1	24	22.45	22.45	22.43			
1.4	16QAM	1	24	22.49	22.38	22.46	24	0	
1.4	16QAM	8	0	22.31	22.33	22.48			
1.4	16QAM	8	7	22.36	22.44	22.40			
1.4	16QAM	16	0	22.44	22.50	22.42			
1.4	16QAM	16	8	22.36	22.56	22.63	28	0	
1.4	16QAM	1	14	22.54	22.54	22.54			
1.4	16QAM	1	14	22.48	22.30	22.37			
1.4	16QAM	1	15	22.25	22.53	22.40	24	0	
1.4	16QAM	8	0	22.42	22.42	22.42			
1.4	16QAM	8	7	22.59	22.68	22.62	24	0	
1.4	16QAM	8	15	22.48	22.42	22.53			
1.4	16QAM	16	0	22.42	22.49	22.49	24	0	
1.4	256QAM	1	0	19.07	19.16	19.25			
1.4	256QAM	1	3	19.00	19.19	19.08			
1.4	256QAM	1	15	18.99	19.20	19.07	20	4	
1.4	256QAM	8	0	18.84	18.96	18.95			
1.4	256QAM	8	7	18.82	18.88	18.94			
1.4	256QAM	8	15	18.76	18.76	18.76	20	4	
1.4	256QAM	6	0	18.83	18.80	18.87	20	4	

Band 2 Ant1 DS12 Standalone														
BSI (MHz)	Modulation	RB Size	RB Offset	Power Ch. 1/Freq	Power Ch. 2/Freq	Power Ch. 3/Freq	Frequency (MHz)	Antenna (dBi)	Height (m)	Notes				
Channel														
Frequency (MHz)														
20	QPSK	1	0	10.80	17.04	10.80	17.5	0						
20	QPSK	1	49	10.80	16.80	17.00								
20	QPSK	1	99	10.80	16.80	16.80								
20	QPSK	50	0	10.80	17.00	10.80								
20	QPSK	50	24	10.80	16.80	16.80	17.5	0						
20	QPSK	50	49	10.80	16.80	16.80								
20	QPSK	50	74	10.80	16.80	16.80								
20	16QAM	1	0	10.80	16.80	16.80								
20	16QAM	1	49	10.80	16.80	16.80	17.5	0						
20	16QAM	1	99	10.80	16.80	16.80								
20	16QAM	50	0	10.80	16.80	16.80								
20	16QAM	50	24	10.80	16.80	16.80								
20	16QAM	50	49	10.80	16.80	16.80	17.5	0						
20	16QAM	50	74	10.80	16.80	16.80								
20	16QAM	100	0	10.75	16.87	10.80								
20	256QAM	1	0	10.80	16.80	16.80								
20	256QAM	1	49	10.80	16.80	16.80	17.5	0						
20	256QAM	1	99	10.80	16.80	16.80								
20	256QAM	50	0	10.75	16.80	16.80								
20	256QAM	50	24	10.80	16.80	16.80								
20	256QAM	50	49	10.80	16.80	16.80	17.5	0						
20	256QAM	50	74	10.80	16.80	16.80								
20	256QAM	100	0	10.70	16.80	16.80								
Channel														
Frequency (MHz)														
10	QPSK	1	0	10.70	16.84	10.77	17.5	0						
10	QPSK	1	50	10.70	16.76	10.86								
10	QPSK	1	100	10.70	16.76	10.86								
10	QPSK	50	0	10.70	16.80	10.80								
10	QPSK	50	24	10.70	16.80	10.84	17.5	0						
10	QPSK	50	49	10.70	16.80	10.84								
10	QPSK	50	74	10.70	16.80	10.76								
10	16QAM	1	0	10.67	16.80	10.84								
10	16QAM	1	50	10.67	16.80	10.84	17.5	0						
10	16QAM	1	100	10.67	16.80	10.84								
10	16QAM	50	0	10.70	16.80	10.80								
10	16QAM	50	24	10.70	16.80	10.80								
10	16QAM	50	49	10.70	16.80	10.80	17.5	0						
10	16QAM	50	74	10.70	16.80	10.80								
10	16QAM	100	0	10.70	16.80	10.80								
10	64QAM	1	0	10.70	16.80	10.80								
10	64QAM	1	50	10.70	16.80	10.80	17.5	0						
10	64QAM	1	100	10.70	16.80	10.80								
10	64QAM	50	0	10.70	16.80	10.80								
10	64QAM	50	24	10.70	16.80	10.80								
10	256QAM	1	0	10.70	16.80	10.80	17.5	0						
10	256QAM	1	50	10.70	16.80	10.80								
10	256QAM	1	100	10.70	16.80	10.80								
10	256QAM	50	0	10.70	16.80	10.80								
10	256QAM	50	24	10.70	16.80	10.80	17.5	0						
10	256QAM	50	49	10.70	16.80	10.80								
10	256QAM	50	74	10.70	16.80	10.80								
10	256QAM	100	0	10.70	16.80	10.80								
Channel														
Frequency (MHz)														
10	QPSK	1	0	10.70	16.84	10.77	17.5	0						
10	QPSK	1	50	10.70	16.76	10.86								
10	QPSK	1	100	10.70	16.76	10.86								
10	QPSK	50	0	10.70	16.80	10.80								
10	QPSK	50	24	10.70	16.80	10.84	17.5	0						
10	QPSK	50	49	10.70	16.80	10.84								
10	QPSK	50	74	10.70	16.80	10.76								
10	16QAM	1	0	10.67	16.80	10.84								
10	16QAM	1	50	10.67	16.80	10.84	17.5	0						
10	16QAM	1	100	10.67	16.80	10.84								
10	16QAM	50	0	10.70	16.80	10.80								
10	16QAM	50	24	10.70	16.80	10.80								
10	16QAM	50	49	10.70	16.80	10.80	17.5	0						
10	16QAM	50	74	10.70	16.80	10.80								
10	16QAM	100	0	10.70	16.80	10.80								
10	64QAM	1	0	10.70	16.80	10.80								
10	64QAM	1	50	10.70	16.80	10.80	17.5	0						
10	64QAM	1	100	10.70	16.80	10.80								
10	64QAM	50	0	10.70	16.80	10.80								
10	64QAM	50	24	10.70	16.80	10.80								
10	256QAM	1	0	10.70	16.80	10.80	17.5	0						
10	256QAM	1	50	10.70	16.80	10.80								
10	256QAM	1	100	10.70	16.80	10.80								
10	256QAM	50	0	10.70	16.80	10.80								
10	256QAM	50	24	10.70	16.80	10.80	17.5	0						
10	256QAM	50	49	10.70	16.80	10.80								
10	256QAM	50	74	10.70	16.80	10.80								
10	256QAM	100	0	10.70	16.80	10.80								
Channel														
Frequency (MHz)														
10	QPSK	1	0	10.70	16.84	10.77	17.5	0						
10	QPSK	1	50	10.70	16.76	10.86								
10	QPSK	1	100	10.70	16.76	10.86								
10	QPSK	50	0	10.70	16.80	10.80								
10	QPSK	50	24	10.70	16.80	10.84	17.5	0						
10	QPSK	50	49	10.70	16.80	10.84								
10	QPSK	50	74	10.70	16.80	10.76								
10	16QAM	1	0	10.67	16.80	10.84								
10	16QAM	1	50	10.67	16.80	10.84	17.5	0						
10	16QAM	1	100	10.67	16.80	10.84								
10	16QAM	50	0	10.70	16.80	10.80								
10	16QAM	50	24	10.70	16.80	10.80								
10	16QAM	50	49	10.70	16.80	10.80	17.5	0						
10	16QAM	50	74	10.70	16.80	10.80								
10	16QAM	100	0	10.70	16.80	10.80								
10	64QAM	1	0	10.70	16.80	10.80								
10	64QAM	1	50	10.70	16.80	10.80	17.5	0						
10	64QAM	1	100	10.70	16.80	10.80								
10	64QAM	50	0	10.70	16.80	10.80								
10	64QAM	50	24	10.70	16.80	10.80								
10	256QAM	1	0	10.70	16.80	10.80	17.5	0						
10	256QAM	1	50	10.70	16.80	10.80								
10	256QAM	1	100	10.70	16.80	10.80								
10	256QAM	50	0	10.70	16.80	10.80								
10	256QAM	50	24	10.70	16.80	10.80	17.5	0						
10	256QAM	50	49	10.70	16.80	10.80								
10	256QAM	50	74	10.70	16.80	10.80								
10	256QAM	100	0	10.70	16.80	10.80								
Channel														
Frequency (MHz)														
10	QPSK	1	0	10.70	16.84	10.77	17.5	0						
10	QPSK	1	50	10.70	16.76	10.86								
10	QPSK	1	100	10.70	16.76	10.86								
10	QPSK	50	0	10.70	16.80	10.80								
10	QPSK	50	24	10.70	16.80	10.84	17.5	0						
10	QPSK	50	49	10.70	16.80	10.84								
10	QPSK	50	74	10.70	16.80	10.76								
10	16QAM	1	0	10.67	16.80	10.84								
10	16QAM	1	50	10.67	16.80	10.84	17.5	0						
10	16QAM	1	100	10.67	16.80	10.84								
10	16QAM	50	0	10.70	16.80	10.80								
10	16QAM	50	24	10.70	16.80	10.80								
10	16QAM	50	49	10.70	16.80	10.80	17.5	0						
10	16QAM	50	74	10.70	16.80	10.80								
10	16QAM	100	0	10.70	16.80	10.80								
10	64QAM	1	0	10.70	16.80	10.80								
10	64QAM	1	50	10.70	16.80	10.80	17.5	0						
10	64QAM	1	100	10.70	16.80	10.80								
10	64QAM	50	0	10.70	16.80	10.80								
10	64QAM	50	24	10.70	16.80	10.80								
10	256QAM	1	0	10.70	16.80	10.80	17.5	0						
10	256QAM	1	50	10.70	16.80	10.80								
10	256QAM	1	100	10.70	16.80	10.80								
10	256QAM	50	0	10.70	16.80	10.80								
10	256QAM	50	24	10.70	16.80	10.80	17.5	0						
10	256QAM	50	49	10.70	16.80	10.80								
10	256QAM	50	74	10.70	16.80	10.80								
10	256QAM	100	0	10.70	16.80	10.80								
Channel														
Frequency (MHz)														
10	QPSK	1	0	10.70	16.84	10.77	17.5	0						
10	QPSK	1	50	10.70	16.76	10.86								
10	QPSK	1	100	10.70	16.76	10.86								
10	QPSK	50	0	10.70	16.80	10.80								
10	QPSK	50	24	10.70	16.80	10.84	17.5	0						
10	QPSK	50	49	10.70	16.80	10.84								
10	QPSK	50	74	10.70	16.80	10.76								
10	16QAM	1	0	10.67	16.80	10.84								
10	16QAM	1	50	10.67	16.80	10.84	17.5	0						
10	16QAM	1	100	10.67	16.80	10.84								
10	16QAM	50	0	10.70	16.80	10.80								
10	16QAM	50	24	10.70	16.80	10.80								
10	16QAM	50	49	10.70	16.80	10.80	17.5	0						
10	16QAM	50	74	10.70	16.80	10.80								
10	16QAM	100	0	10.70	16.80	10.80								
10	64QAM	1	0	10.70	16.80	10.80								
10	64QAM	1	50	10.70	16.80	10.80	17.5	0						
10	64QAM	1	100	10.70	16.80	10.80								
10	64QAM	50	0	10.70	16.80	10.80								
10	64QAM	50	24	10.70	16.80	10.80								
10	256QAM	1	0	10.70	16.80	10.80	17.5	0						
10	256QAM	1	50	10.70	16.80	10.80								
10	256QAM	1	100	10.70	16.80	10.80								
10	256QAM	50	0	10.70	16.80	10.80								
10	256QAM	50	24	10.70	16.80	10.80	17.5	0						
10	256QAM	50	49	10.70	16.80	10.80								
10	256QAM	50	74	10.70	16.80	10.80								
10	256QAM	100	0	10.70	16.80	10.80								
Channel														
Frequency (MHz)														
10	QPSK	1	0	10.70	16.84	10.77	17.5	0						
10	QPSK	1	50	10.70	16.76	10.86								
10	QPSK	1	100	10.70	16.76	10.86								
10	QPSK	50	0	10.7										

Band 7 Ant1 DS12 Standalone									
RF Band	Modulation	PRB Size	PRB Offset	Power Cat. 1 / Power Cat. 2 / Power Cat. 3	Power Cat. 1 / Power Cat. 2 / Power Cat. 3	Power Cat. 1 / Power Cat. 2 / Power Cat. 3	Time-to- lock (s)	APPS (s)	
Channel									
Frequency (MHz)									
25	QPSK	1	0	17.43	17.55	17.78			
25	QPSK	1	49	17.38	17.44	17.51	18.5	0	
25	QPSK	1	99	17.28	17.45	17.45			
25	QPSK	50	0	17.38	17.51	17.44			
25	QPSK	50	24	17.40	17.42	17.50	18.5	0	
25	QPSK	50	35	17.51	17.42	17.24			
25	QPSK	100	0	17.25	17.45	17.29			
25	16QAM	1	0	17.45	17.44	17.45	18.5	0	
25	16QAM	1	49	17.42	17.39	17.47			
25	16QAM	1	99	17.35	17.45	17.47			
25	16QAM	50	0	17.42	17.48	17.40			
25	16QAM	50	24	17.48	17.48	17.47	18.5	0	
25	16QAM	50	35	17.25	17.45	17.44			
25	16QAM	100	0	17.35	17.37	17.39			
25	16QAM	1	0	17.34	17.44	17.45			
25	16QAM	1	49	17.42	17.24	17.25	18.5	0	
25	16QAM	1	99	17.25	17.41	17.35			
25	16QAM	50	0	17.35	17.27	17.24			
25	16QAM	50	24	17.25	17.25	17.44	18.5	0	
25	16QAM	50	35	17.37	17.45	17.35			
25	16QAM	100	0	17.25	17.41	17.47			
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.32	17.50	17.29	Time-to- lock (s)	APPS (s)	
15	QPSK	1	24	17.47	17.35	17.35	18.5	0	
15	QPSK	1	74	17.19	17.35	17.35			
15	QPSK	36	0	17.28	17.42	17.38			
15	QPSK	36	25	17.25	17.32	17.35	18.5	0	
15	QPSK	36	50	17.25	17.25	17.25			
15	QPSK	75	0	17.12	17.38	17.21			
15	16QAM	1	0	17.24	17.25	17.40	18.5	0	
15	16QAM	1	24	17.25	17.25	17.25			
15	16QAM	1	74	17.25	17.31	17.42			
15	16QAM	36	0	17.24	17.42	17.29			
15	16QAM	36	25	17.25	17.35	17.35	18.5	0	
15	16QAM	36	50	17.17	17.25	17.37			
15	16QAM	75	0	17.19	17.27	17.21			
15	16QAM	1	0	17.24	17.25	17.34	Time-to- lock (s)	APPS (s)	
15	16QAM	1	24	17.25	17.25	17.34	18.5	0	
15	16QAM	1	74	17.25	17.31	17.42			
15	16QAM	36	0	17.24	17.42	17.29			
15	16QAM	36	25	17.25	17.35	17.35	18.5	0	
15	16QAM	36	50	17.22	17.25	17.25			
15	16QAM	75	0	17.24	17.25	17.32			
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.35	17.42	17.24	Time-to- lock (s)	APPS (s)	
10	QPSK	1	24	17.35	17.35	17.35	18.5	0	
10	QPSK	1	49	17.15	17.45	17.35			
10	QPSK	25	0	17.25	17.48	17.39			
10	QPSK	25	12	17.25	17.37	17.37	18.5	0	
10	QPSK	25	24	17.15	17.38	17.25			
10	QPSK	50	0	17.21	17.37	17.24			
10	16QAM	1	0	17.25	17.27	17.25	18.5	0	
10	16QAM	1	24	17.24	17.22	17.22			
10	16QAM	1	49	17.25	17.37	17.37			
10	16QAM	25	0	17.24	17.45	17.29			
10	16QAM	25	12	17.24	17.35	17.35	18.5	0	
10	16QAM	25	24	17.24	17.35	17.35			
10	16QAM	50	0	17.25	17.35	17.25			
10	16QAM	50	12	17.25	17.37	17.37	18.5	0	
10	16QAM	50	24	17.25	17.37	17.37			
10	16QAM	50	35	17.25	17.35	17.25			
10	16QAM	1	0	17.25	17.35	17.25	18.5	0	
10	16QAM	1	24	17.25	17.35	17.25			
10	16QAM	1	49	17.18	17.19	17.27			
10	16QAM	25	0	17.25	17.25	17.25	18.5	0	
10	16QAM	25	12	17.25	17.25	17.25			
10	16QAM	25	24	17.25	17.25	17.25			
10	16QAM	50	0	17.25	17.25	17.25	18.5	0	
10	16QAM	50	12	17.25	17.25	17.25			
10	16QAM	50	24	17.25	17.25	17.25			
10	16QAM	50	35	17.25	17.25	17.25	18.5	0	
10	16QAM	1	0	17.25	17.40	17.35	Time-to- lock (s)	APPS (s)	
5	QPSK	1	12	17.21	17.48	17.31	18.5	0	
5	QPSK	1	24	17.10	17.29	17.35			
5	QPSK	12	0	17.25	17.35	17.35			
5	QPSK	12	12	17.34	17.35	17.35	18.5	0	
5	QPSK	12	18	17.23	17.35	17.35			
5	QPSK	25	0	17.18	17.34	17.41			
5	QPSK	25	12	17.30	17.28	17.28	18.5	0	
5	QPSK	25	18	17.24	17.30	17.30			
5	16QAM	1	12	17.24	17.33	17.33	18.5	0	
5	16QAM	1	24	17.21	17.30	17.42			
5	16QAM	12	0	17.25	17.35	17.35			
5	16QAM	12	7	17.30	17.16	17.41	18.5	0	
5	16QAM	12	13	17.15	17.26	17.37			
5	16QAM	25	0	17.25	17.27	17.27	18.5	0	
5	16QAM	25	12	17.25	17.40	17.35			
5	16QAM	25	18	17.21	17.40	17.35			
5	16QAM	1	0	17.21	17.40	17.35	18.5	0	
5	16QAM	1	12	17.30	17.27	17.26			
5	16QAM	1	24	17.17	17.11	17.21			
5	16QAM	12	0	17.25	17.35	17.35	18.5	0	
5	16QAM	12	7	17.25	17.26	17.35			
5	16QAM	12	13	17.26	17.40	17.35			
5	16QAM	25	0	17.25	17.35	17.35	18.5	0	
5	16QAM	25	12	17.25	17.35	17.35			
5	16QAM	25	18	17.25	17.35	17.35	18.5	0	
5	16QAM	1	0	17.25	17.35	17.25			
5	16QAM	1	12	17.30	17.27	17.26	18.5	0	
5	16QAM	1	24	17.17	17.11	17.21			
5	16QAM	12	0	17.25	17.35	17.35	18.5	0	
5	16QAM	12	7	17.25	17.26	17.35			
5	16QAM	12	13	17.26	17.40	17.35			
5	16QAM	25	0	17.25	17.35	17.35	18.5	0	
5	16QAM	25	12	17.25	17.35	17.35			
5	16QAM	25	18	17.25	17.35	17.35	18.5	0	
5	16QAM	1	0	17.25	17.35	17.25			
5	16QAM	1	12	17.30	17.27	17.26	18.5	0	
5	16QAM	1	24	17.17	17.11	17.21			
5	16QAM	12	0	17.25	17.35	17.35	18.5	0	
5	16QAM	12	7	17.25	17.26	17.35			
5	16QAM	12	13	17.26	17.40	17.35			
5	16QAM	25	0	17.25	17.35	17.35	18.5	0	
5	16QAM	25	12	17.25	17.35	17.35			
5	16QAM	25	18	17.25	17.35	17.35	18.5	0	
5	16QAM	1	0	17.25	17.35	17.25			
5	16QAM	1	12	17.30	17.27	17.26	18.5	0	
5	16QAM	1	24	17.17	17.11	17.21			
5	16QAM	12	0	17.25	17.35	17.35	18.5	0	
5	16QAM	12	7	17.25	17.26	17.35			
5	16QAM	12	13	17.26	17.40	17.35			
5	16QAM	25	0	17.25	17.35	17.35	18.5	0	
5	16QAM	25	12	17.25	17.35	17.35			
5	16QAM	25	18	17.25	17.35	17.35	18.5	0	
5	16QAM	1	0	17.25	17.35	17.25			
5	16QAM	1	12	17.30	17.27	17.26	18.5	0	
5	16QAM	1	24	17.17	17.11	17.21			
5	16QAM	12	0	17.25	17.35	17.35	18.5	0	
5	16QAM	12	7	17.25	17.26	17.35			
5	16QAM	12	13	17.26	17.40	17.35			
5	16QAM	25	0	17.25	17.35	17.35	18.5	0	
5	16QAM	25	12	17.25	17.35	17.35			
5	16QAM	25	18	17.25	17.35	17.35	18.5	0	
5	16QAM	1	0	17.25	17.35	17.25			
5	16QAM	1	12	17.30	17.27	17.26	18.5	0	
5	16QAM	1	24	17.17	17.11	17.21			
5	16QAM	12	0	17.25	17.35	17.35	18.5	0	
5	16QAM	12	7	17.25	17.26	17.35			
5	16QAM	12	13	17.26	17.40	17.35			
5	16QAM	25	0	17.25	17.35	17.35	18.5	0	
5	16QAM	25	12	17.25	17.35	17.35			
5	16QAM	25	18	17.25	17.35	17.35	18.5	0	
5	16QAM	1	0	17.25	17.35	17.25			
5	16QAM	1	12	17.30	17.27	17.26	18.5	0	
5	16QAM	1	24	17.17	17.11	17.21			
5	16QAM	12	0	17.25	17.35	17.35	18.5	0	
5	16QAM	12	7	17.25	17.26	17.35			
5	16QAM	12	13	17.26	17.40	17.35			
5	16QAM	25	0	17.25	17.35	17.35	18.5	0	
5	16QAM	25	12	17.25	17.35	17.35			
5	16QAM	25	18	17.25	17.35	17.35	18.5	0	
5	16QAM	1	0	17.25	17.35	17.25			
5	16QAM	1	12	17.30	17.27	17.26	18.5	0	
5	16QAM	1	24	17.17	17.11	17.21			
5	16QAM	12	0	17.25	17.35	17.35	18.5	0	
5	16QAM	12	7	17.25	17.26	17.35			
5	16QAM	12	13	17.26	17.40	17.35			

Band 2 Ant 1 DS2 Simultaneous												
RF Chn	Modulation	PRB Freq	PRB Chn	Power Level	Time Slot	Modulation	PRB Freq	PRB Chn	Power Level	Time slot (μs)	MPR (dB)	
Channel												
Frequency (MHz)												
20	QPSK	1	0	16.00	19.10	19.00						
20	QPSK	1	48	16.00	19.00	19.11				16.0	0	
20	QPSK	1	96	15.98	18.91	19.08						
20	QPSK	50	0	16.00	19.10	19.00						
20	QPSK	50	24	16.00	19.00	19.11						
20	QPSK	50	50	15.94	18.90	19.08						
20	QPSK	50	96	15.92	18.81	19.05						
20	QPSK	1	0	15.99	19.00	19.00						
20	QPSK	1	48	15.92	18.90	19.06						0
20	QPSK	1	96	15.90	18.81	19.04						
20	QPSK	50	24	15.98	18.90	19.09						
20	QPSK	50	50	15.94	18.90	19.07						16.0
20	QPSK	50	96	15.92	18.81	19.05						
20	QPSK	1	0	15.96	19.00	19.00						
20	QPSK	1	48	15.90	18.91	19.02						
20	QPSK	1	96	15.88	18.81	19.00						
20	QPSK	50	0	15.90	19.00	19.00						
20	QPSK	50	24	15.93	18.90	19.07						
20	QPSK	50	50	15.90	18.90	19.04						
20	QPSK	50	96	15.87	18.81	19.01						
20	QPSK	1	0	16.00	19.04	19.00						
20	QPSK	1	48	15.91	18.90	19.04						16.0
20	QPSK	1	96	15.89	18.81	19.00						
20	QPSK	50	0	15.90	19.00	19.00						
20	QPSK	50	24	15.98	18.90	19.07						16.0
20	QPSK	50	50	15.94	18.90	19.04						
20	QPSK	50	96	15.92	18.81	19.01						
20	QPSK	100	0	15.97	19.01	19.04						
Channel												
Frequency (MHz)												
15	QPSK	1	0	15.96	19.10	19.00				16.0	0	
15	QPSK	1	37	15.88	19.01	19.00						
15	QPSK	1	74	15.82	18.90	19.07						
15	QPSK	1	111	15.73	18.81	19.00						
15	QPSK	50	0	15.90	19.00	19.00						
15	QPSK	50	37	15.82	18.90	19.07						
15	QPSK	50	74	15.77	18.81	19.04						
15	QPSK	50	111	15.68	18.70	19.00						
15	QPSK	1	0	15.80	19.00	19.00						
15	QPSK	1	37	15.78	18.90	19.00						16.0
15	QPSK	1	74	15.71	18.80	19.00						
15	QPSK	1	111	15.63	18.70	19.00						
15	QPSK	50	0	15.90	19.00	19.00						
15	QPSK	50	37	15.82	18.90	19.07						
15	QPSK	50	74	15.75	18.80	19.00						
15	QPSK	50	111	15.66	18.70	19.00						
15	QPSK	1	0	15.85	19.00	19.00						
15	QPSK	1	37	15.78	18.90	19.00						
15	QPSK	1	74	15.71	18.80	19.00						
15	QPSK	1	111	15.63	18.70	19.00						
15	QPSK	50	0	15.90	19.00	19.00						
15	QPSK	50	37	15.82	18.90	19.07						
15	QPSK	50	74	15.75	18.80	19.00						
15	QPSK	50	111	15.66	18.70	19.00						
Channel												
Frequency (MHz)												
10	QPSK	1	0	16.00	19.00	19.00				16.0	0	
10	QPSK	1	25	15.98	18.94	19.07						
10	QPSK	1	49	15.79	18.70	19.04						
10	QPSK	1	73	15.63	18.50	19.00						
10	QPSK	25	0	15.87	18.92	19.00						
10	QPSK	25	25	15.87	18.90	19.01						
10	QPSK	25	49	15.63	18.50	19.00						
10	QPSK	1	0	15.83	18.77	19.01						
10	QPSK	1	25	15.85	18.92	19.00						
10	QPSK	1	49	15.68	18.50	19.00						
10	QPSK	1	73	15.52	18.30	19.00						
10	QPSK	25	0	15.83	18.77	19.01						
10	QPSK	25	25	15.85	18.90	19.00						
10	QPSK	25	49	15.68	18.50	19.00						
10	QPSK	1	0	15.80	18.80	19.00						
10	QPSK	1	25	15.86	18.90	19.00						
10	QPSK	1	49	15.70	18.70	19.00						
10	QPSK	1	73	15.54	18.30	19.00						
10	QPSK	25	0	15.80	18.80	19.00						
10	QPSK	25	25	15.82	18.80	19.00						
10	QPSK	25	49	15.66	18.60	19.00						
10	QPSK	1	0	15.80	18.80	19.00						
10	QPSK	1	25	15.86	18.90	19.00						
10	QPSK	1	49	15.70	18.70	19.00						
10	QPSK	1	73	15.54	18.30	19.00						
10	QPSK	25	0	15.80	18.80	19.00						
10	QPSK	25	25	15.82	18.80	19.00						
10	QPSK	25	49	15.66	18.60	19.00						
10	QPSK	1	0	15.80	18.80	19.00						
10	QPSK	1	25	15.86	18.90	19.00						
10	QPSK	1	49	15.70	18.70	19.00						
10	QPSK	1	73	15.54	18.30	19.00						
10	QPSK	25	0	15.80	18.80	19.00						
10	QPSK	25	25	15.82	18.80	19.00						
10	QPSK	25	49	15.66	18.60	19.00						
Channel												
Frequency (MHz)												
5	QPSK	1	0	15.96	19.14	19.00				16.0	0	
5	QPSK	1	12	15.88	19.07	19.06						
5	QPSK	1	24	15.76	18.93	19.03						
5	QPSK	1	36	15.63	18.80	19.00						
5	QPSK	7	0	15.79	18.80	19.00						
5	QPSK	12	13	15.79	18.80	19.00						
5	QPSK	18	24	15.63	18.70	19.00						
5	QPSK	1	0	15.87	18.90	19.00						
5	QPSK	1	12	15.88	19.00	19.07						
5	QPSK	1	24	15.76	18.93	19.03						
5	QPSK	1	36	15.63	18.80	19.00						
5	QPSK	7	0	15.79	18.80	19.00						
5	QPSK	12	13	15.79	18.80	19.00						
5	QPSK	18	24	15.63	18.70	19.00						
5	QPSK	1	0	15.81	18.97	19.02						
5	QPSK	1	12	15.86	19.00	19.06						
5	QPSK	1	24	15.76	18.94	19.00						
5	QPSK	7	0	15.79	18.80	19.00						
5	QPSK	12	13	15.79	18.80	19.00						
5	QPSK	18	24	15.63	18.70	19.00						
5	QPSK	1	0	15.80	18.80	19.00						
5	QPSK	1	12	15.86	18.90	19.06						
5	QPSK	1	24	15.76	18.94	19.00						
5	QPSK	7	0	15.79	18.80	19.00						
5	QPSK	12	13	15.79	18.80	19.00						
5	QPSK	18	24	15.63	18.70	19.00						
5	QPSK	1	0	15.80	18.80	19.00						
5	QPSK	1	12	15.86	18.90	19.06						
5	QPSK	1	24	15.76	18.94	19.00						
5	QPSK	7	0	15.79	18.80	19.00						
5	QPSK	12	13	15.79	18.80	19.00						
5	QPSK	18	24	15.63	18.70	19.00						
5	QPSK	1	0	15.80	18.80	19.00						
5	QPSK	1	12	15.86	18.90	19.06						
5	QPSK	1	24	15.76	18.94	19.00						
5	QPSK	7	0	15.79	18.80	19.00						
5	QPSK	12	13	15.79	18.80	19.00						
5	QPSK	18	24	15.63	18.70	19.00						
5	QPSK	1	0	15.80	18.80	19.00						
5	QPSK	1	12	15.86	18.90	19.06						
5	QPSK	1	24	15.76	18.94	19.00						
5	QPSK	7	0	15.79	18.80	19.00						
5	QPSK	12	13	15.79	18.80	19.00						
5	QPSK	18	24	15.63	18.70	19.00						
5	QPSK	1	0	15.80	18.80	19.00						
5	QPSK	1	12	15.86	18.90	19.06						
5	QPSK	1	24	15.76	18.94	19.00						
5	QPSK	7	0	15.79	18.80	19.00						
5	QPSK	12	13	15.79	18.80	19.00						
5	QPSK	18	24	15.63	18.70	19.00						
5	QPSK	1	0	15.80	18.80	19.00						
5	QPSK	1	12	15.86	18.90	19.06						
5	QPSK	1	24	15.76	18.94	19.00						
5	QPSK	7	0	15.79	18.80	19.00						

Band 4 Ant1 DS2 Simultaneous													
RF Input	Modulation	FEC Rate	Pilot Chd	Power Level		Power Modulation		High Power	Frame Error Rate	SINR (dB)	APR (dB)		
				20000	20173	20000	20173						
Channel													
10	QPSK	1	0	15.81	15.80	15.80	15.73						
10	QPSK	1	40	15.42	15.43	15.43	15.51		10.0	0			
10	QPSK	1	80	15.80	15.48	15.48	15.58						
10	QPSK	1	120	15.42	15.47	15.47	15.72						
10	QPSK	30	24	15.34	15.44	15.44	15.48		10.0	0			
10	QPSK	30	30	15.51	15.82	15.81	15.41						
10	QPSK	30	40	15.32	15.47	15.47	15.68						
10	QPSK	30	50	15.39	15.37	15.37	15.59						
10	QPSK	1	40	15.49	15.56	15.42	15.40		10.0	0			
10	QPSK	1	80	15.41	15.50	15.50	15.71						
10	QPSK	1	120	15.56	15.47	15.47	15.72						
10	QPSK	30	24	15.40	15.60	15.60	15.40		10.0	0			
10	QPSK	30	30	15.46	15.43	15.43	15.69						
10	QPSK	30	40	15.35	15.45	15.45	15.63						
10	QPSK	30	50	15.38	15.43	15.43	15.48						
Channel													
10	QPSK	1	0	15.36	15.45	15.45	15.48						
10	QPSK	1	40	15.49	15.34	15.48	15.45		10.0	0			
10	QPSK	1	80	15.47	15.48	15.48	15.53						
10	QPSK	1	120	15.44	15.49	15.49	15.54						
10	QPSK	30	24	15.36	15.34	15.34	15.37						
10	QPSK	30	30	15.44	15.69	15.68	15.48						
10	QPSK	30	40	15.30	15.38	15.38	15.41						
10	QPSK	30	50	15.30	15.46	15.35	15.51						
10	QPSK	1	40	15.36	15.48	15.35	15.53		10.0	0			
10	QPSK	1	80	15.49	15.38	15.48	15.44						
10	QPSK	1	120	15.48	15.53	15.58	15.68						
10	QPSK	30	24	15.48	15.63	15.63	15.48		10.0	0			
10	QPSK	30	30	15.47	15.47	15.47	15.57						
10	QPSK	30	40	15.48	15.48	15.48	15.58						
10	QPSK	30	50	15.39	15.39	15.39	15.39						
10	QPSK	30	20	15.51	15.59	15.59	15.39						
10	QPSK	75	30	15.52	15.62	15.57	15.67						
10	QPSK	75	30	15.52	15.53	15.49	15.59						
10	QPSK	1	0	15.46	15.66	15.66	15.66						
10	QPSK	1	37	15.40	15.24	15.31	15.31						
10	QPSK	1	74	15.67	15.24	15.47	15.47						
10	QPSK	1	111	15.47	15.47	15.47	15.47						
10	QPSK	30	30	15.41	15.60	15.38	15.38						
10	QPSK	30	30	15.42	15.42	15.42	15.42						
10	QPSK	1	0	15.36	15.32	15.3	15.3						
10	QPSK	1	37	15.41	15.25	15.31	15.31						
10	QPSK	1	74	15.46	15.30	15.48	15.48						
10	QPSK	1	111	15.47	15.47	15.47	15.47						
10	QPSK	30	30	15.40	15.34	15.48	15.45						
10	QPSK	30	30	15.41	15.41	15.41	15.41						
10	QPSK	30	20	15.43	15.47	15.43	15.43						
10	QPSK	30	20	15.37	15.38	15.37	15.37						
10	QPSK	75	30	15.40	15.24	15.31	15.31						
10	QPSK	75	30	15.40	15.24	15.31	15.31						
10	QPSK	75	30	15.40	15.24	15.31	15.31						
10	QPSK	75	30	15.40	15.24	15.31	15.31						
Channel													
10	QPSK	1	0	15.36	15.45	15.45	15.48						
10	QPSK	1	37	15.46	15.53	15.57	15.57		10.0	0			
10	QPSK	1	74	15.67	15.24	15.47	15.47						
10	QPSK	1	111	15.47	15.47	15.47	15.47						
10	QPSK	30	30	15.41	15.60	15.38	15.38						
10	QPSK	30	30	15.42	15.42	15.42	15.42						
10	QPSK	1	0	15.36	15.32	15.3	15.3						
10	QPSK	1	37	15.41	15.25	15.31	15.31						
10	QPSK	1	74	15.46	15.30	15.48	15.48						
10	QPSK	1	111	15.47	15.47	15.47	15.47						
10	QPSK	30	30	15.40	15.34	15.48	15.45						
10	QPSK	30	30	15.41	15.41	15.41	15.41						
10	QPSK	30	20	15.43	15.47	15.43	15.43						
10	QPSK	30	20	15.37	15.38	15.37	15.37						
10	QPSK	75	30	15.40	15.24	15.31	15.31						
10	QPSK	75	30	15.40	15.24	15.31	15.31						
10	QPSK	75	30	15.40	15.24	15.31	15.31						
10	QPSK	75	30	15.40	15.24	15.31	15.31						
Channel													
10	QPSK	1	0	15.36	15.45	15.45	15.48						
10	QPSK	1	37	15.46	15.53	15.57	15.57		10.0	0			
10	QPSK	1	74	15.67	15.24	15.47	15.47						
10	QPSK	1	111	15.47	15.47	15.47	15.47						
10	QPSK	30	30	15.41	15.60	15.38	15.38						
10	QPSK	30	30	15.42	15.42	15.42	15.42						
10	QPSK	1	0	15.36	15.32	15.3	15.3						
10	QPSK	1	37	15.41	15.25	15.31	15.31						
10	QPSK	1	74	15.46	15.30	15.48	15.48						
10	QPSK	1	111	15.47	15.47	15.47	15.47						
10	QPSK	30	30	15.40	15.34	15.48	15.45						
10	QPSK	30	30	15.41	15.41	15.41	15.41						
10	QPSK	30	20	15.43	15.47	15.43	15.43						
10	QPSK	30	20	15.37	15.38	15.37	15.37						
10	QPSK	75	30	15.40	15.24	15.31	15.31						
10	QPSK	75	30	15.40	15.24	15.31	15.31						
10	QPSK	75	30	15.40	15.24	15.31	15.31						
10	QPSK	75	30	15.40	15.24	15.31	15.31						
Channel													
10	QPSK	1	0	15.36	15.45	15.45	15.48						
10	QPSK	1	37	15.46	15.53	15.57	15.57		10.0	0			
10	QPSK	1	74	15.67	15.24	15.47	15.47						
10	QPSK	1	111	15.47	15.47	15.47	15.47						
10	QPSK	30	30	15.41	15.60	15.38	15.38						
10	QPSK	30	30	15.42	15.42	15.42	15.42						
10	QPSK	1	0	15.36	15.32	15.3	15.3						
10	QPSK	1	37	15.41	15.25	15.31	15.31						
10	QPSK	1	74	15.46	15.30	15.48	15.48						
10	QPSK	1	111	15.47	15.47	15.47	15.47						
10	QPSK	30	30	15.40	15.34	15.48	15.45						
10	QPSK	30	30	15.41	15.41	15.41	15.41						
10	QPSK	30	20	15.43	15.47	15.43	15.43						
10	QPSK	30	20	15.37	15.38	15.37	15.37						
10	QPSK	75	30	15.40	15.24	15.31	15.31						
10	QPSK	75	30	15.40	15.24	15.31	15.31						
10	QPSK	75	30	15.40	15.24	15.31	15.31						
10	QPSK	75	30	15.40	15.24	15.31	15.31						
Channel													
10	QPSK	1	0	15.36	15.45	15.45	15.48						
10	QPSK	1	37	15.46	15.53	15.57	15.57		10.0	0			
10	QPSK	1	74	15.67	15.24	15.47	15.47						
10	QPSK	1	111	15.47	15.47	15.47	15.47						
10	QPSK	30	30	15.41	15.60	15.38	15.38						
10	QPSK	30	30	15.42	15.42	15.42	15.42						
10	QPSK	1	0	15.36	15.32	15.3	15.3						
10	QPSK	1	37	15.41	15.25	15.31	15.31						
10	QPSK	1	74	15.46	15.30	15.48	15.48						
10	QPSK	1	111	15.47	15.47	15.47	15.47						
10	QPSK	30	30	15.40	15.34	15.48	15.45						
10	QPSK	30	30	15.41	15.41	15.41	15.41						
10	QPSK	30	20	15.43	15.47	15.43	15.43						
10	QPSK	30	20	15.37	15.38	15.37	15.37						
10	QPSK	75	30	15.40	15.24	15.31	15.31						
10	QPSK	75	30	15.40	15.24	15.31	15.31						
10	QPSK	75	30	15.40	15.24	15.31	15.31						
10	QPSK	75	30	15.40	15.24	15.31	15.31						
Channel													
10	QPSK	1	0	15.36	15.45	15.45	15.48						
10	QPSK	1	37	15.46	15.53</								

Band 5 Ant1 DS12 Simultaneous												
BW (MHz)	Modulation	FE Size	PDSCH	Power Level		Power Margin		Power Headroom	Tx Power (dBm)	SINR (dB)	SINR (dB)	SINR (dB)
				2016	2017	2016	2017					
Channel												
5	QPSK	1	5	21.23	21.43	21.33	21.43					
5	QPSK	1	26	21.30	21.38	21.36				22.1	0	
5	QPSK	1	49	21.37	21.49	21.41						
5	QPSK	1	76	21.38	21.49	21.43						
5	QPSK	25	12	21.30	21.38	21.34				22.5	0	
5	QPSK	25	20	21.37	21.38	21.41						
5	QPSK	25	49	21.38	21.47	21.48						
5	16QAM	1	5	21.24	21.43	21.34						
5	16QAM	1	26	21.30	21.37	21.46				22.1	0	
5	16QAM	1	49	21.33	21.42	21.37						
5	16QAM	25	12	21.37	21.38	21.39				22.5	0	
5	16QAM	25	20	21.26	21.44	21.41						
5	16QAM	25	49	21.26	21.32	21.39						
5	64QAM	1	5	21.19	21.30	21.24						
5	64QAM	1	26	21.34	21.42	21.39				22.1	0	
5	64QAM	1	49	21.35	21.47	21.41						
5	64QAM	25	5	20.77	20.90	20.82						
5	64QAM	25	12	20.71	20.81	20.82				22.1	0	
5	64QAM	25	20	20.75	20.87	20.78						
5	64QAM	25	49	20.80	20.90	20.86						
5	256QAM	1	5	18.77	18.87	18.78						
5	256QAM	1	26	18.61	18.68	18.69				20	2.2	
5	256QAM	1	49	18.61	18.68	18.65						
5	256QAM	25	5	18.87	18.72	18.78						
5	256QAM	25	12	18.61	18.70	18.65				20	2.2	
5	256QAM	25	20	18.63	18.67	18.67						
5	256QAM	25	49	18.63	18.67	18.67						
5	256QAM	50	5	18.59	18.65	18.71						
Channel												
2016												
2017												
2016												
2017												
5	QPSK	1	5	21.13	21.43	21.38						
5	QPSK	1	12	21.22	21.32	21.30				22.1	0	
5	QPSK	1	34	21.26	21.37	21.29						
5	QPSK	1	62	21.28	21.43	21.38						
5	QPSK	12	7	21.14	21.26	21.34						
5	QPSK	12	13	21.13	21.30	21.34						
5	QPSK	12	21	21.12	21.13	21.32						
5	16QAM	1	5	21.13	21.35	21.24						
5	16QAM	1	12	21.25	21.27	21.30				22.1	0	
5	16QAM	1	34	21.22	21.34	21.22						
5	16QAM	12	7	21.18	21.28	21.19						
5	16QAM	12	7	21.15	21.34	21.33				22.1	0	
5	16QAM	12	13	21.21	21.20	21.33						
5	16QAM	12	21	21.28	21.20	21.32						
5	64QAM	1	5	21.06	21.20	21.11						
5	64QAM	1	12	21.21	21.32	21.29				22.1	0	
5	64QAM	1	34	21.25	21.36	21.28						
5	64QAM	1	62	21.26	21.41	21.36						
5	64QAM	12	5	20.78	20.88	20.80						
5	64QAM	12	13	20.80	20.74	20.80						
5	64QAM	12	21	20.82	20.82	20.84						
5	256QAM	1	5	18.59	18.60	18.65				20	2.2	
5	256QAM	1	12	18.62	18.63	18.63						
5	256QAM	1	34	18.75	18.78	18.78						
5	256QAM	12	5	18.81	18.68	18.68						
5	256QAM	12	7	18.53	18.60	18.61						
5	256QAM	12	13	18.59	18.61	18.61						
5	256QAM	12	21	18.58	18.61	18.61						
5	256QAM	25	5	18.58	18.63	18.72				20	2.2	
Channel												
2016												
2017												
2016												
2017												
5	QPSK	1	5	21.16	21.39	21.33						
5	QPSK	1	8	21.21	21.30	21.22				22.1	0	
5	QPSK	1	16	21.23	21.39	21.30						
5	QPSK	1	32	21.25	21.34	21.31						
5	QPSK	8	4	21.19	21.33	21.33						
5	QPSK	8	7	21.18	21.24	21.29						
5	QPSK	8	14	21.22	21.28	21.19						
5	16QAM	1	5	21.15	21.30	21.24						
5	16QAM	1	8	21.19	21.22	21.28				22.1	0	
5	16QAM	1	16	21.23	21.29	21.29						
5	16QAM	1	32	21.13	21.29	21.28						
5	16QAM	8	4	21.19	21.36	21.27						
5	16QAM	8	7	21.16	21.18	21.34						
5	16QAM	8	14	21.21	21.28	21.28						
5	64QAM	1	5	21.13	21.23	21.10						
5	64QAM	1	8	21.28	21.30	21.27				22.1	0	
5	64QAM	1	16	21.21	21.36	21.31						
5	64QAM	8	4	20.92	20.81	20.75						
5	64QAM	8	7	20.92	20.78	20.73				22.1	0	
5	64QAM	8	14	20.92	20.84	20.84						
5	256QAM	1	5	18.59	18.61	18.61						
5	256QAM	1	8	18.73	18.79	18.69				20	2.2	
5	256QAM	1	16	18.53	18.60	18.67						
5	256QAM	8	4	18.75	18.74	18.74						
5	256QAM	8	7	18.60	18.68	18.68						
5	256QAM	8	14	18.61	18.65	18.65				20	2.2	
5	256QAM	16	5	18.59	18.62	18.60						
Channel												
2016												
2017												
2016												
2017												
14	QPSK	1	5	21.13	21.42	21.38						
14	QPSK	1	3	21.16	21.29	21.22				22.1	0	
14	QPSK	1	9	21.29	21.42	21.32						
14	QPSK	1	17	21.13	21.43	21.40						
14	QPSK	3	1	21.17	21.32	21.38						
14	QPSK	3	3	21.21	21.27	21.27				23.1	0	
14	QPSK	3	9	21.26	21.34	21.34						
14	16QAM	1	5	21.18	21.37	21.25						
14	16QAM	1	3	21.16	21.31	21.31						
14	16QAM	1	9	21.27	21.33	21.33				22.1	0	
14	16QAM	3	1	21.14	21.20	21.25						
14	16QAM	3	1	21.17	21.33	21.31						
14	16QAM	3	3	21.12	21.25	21.31						
14	64QAM	1	5	21.04	21.18	21.18				22.1	0	
14	64QAM	1	3	21.24	21.28	21.24						
14	64QAM	1	9	21.32	21.38	21.38						
14	64QAM	3	1	20.98	21.07	21.13				22.1	0	
14	64QAM	3	3	21.14	21.24	21.24						
14	64QAM	6	1	20.79	20.91	20.90				23.1	0	
14	256QAM	1	5	18.68	18.84	18.68						
14	256QAM	1	3	18.52	18.67	18.64						
14	256QAM	1	9	18.78	18.82	18.82						
14	256QAM	3	5	18.62	18.65	18.61				20	2.2	
14	256QAM	3	1	18.50	18.63	18.57						
14	256QAM	3	3	18.68	18.66	18.66						
14	256QAM	6	5	18.49	18.54	18.60				20	2.2	

Band 7 Ant1 DS2 Simultaneous														
RF (MHz)	Modulation	RF Size	RF Offset	Power Low (dBm)	Power Ref. (dBm)	Power Peak (dBm)	Time-to- live (s)	APPS (dB)						
Channel														
Frequency (MHz)														
25	QPSK	1	0	16.32	16.35	16.24			17.2	0				
25	QPSK	1	49	16.26	16.33	16.43								
25	QPSK	1	98	16.22	16.34	16.37			17.2	0				
25	QPSK	50	0	16.29	16.46	16.40								
25	QPSK	50	24	16.33	16.25	16.37			17.2	0				
25	QPSK	50	25	16.25	16.42	16.19								
25	QPSK	100	0	16.13	16.41	16.22			17.2	0				
25	16QAM	1	0	16.32	16.29	16.26								
25	16QAM	1	49	16.24	16.27	16.26			17.2	0				
25	16QAM	1	98	16.28	16.29	16.31								
25	16QAM	50	0	16.29	16.34	16.27			17.2	0				
25	16QAM	50	24	16.27	16.36	16.34								
25	16QAM	50	25	16.19	16.31	16.33			17.2	0				
25	16QAM	100	0	16.24	16.26	16.26								
25	16QAM	1	0	16.24	16.24	16.26			17.2	0				
25	16QAM	1	49	16.24	16.27	16.26								
25	16QAM	1	98	16.19	16.25	16.36			17.2	0				
25	16QAM	50	0	16.29	16.29	16.31								
25	16QAM	50	24	16.29	16.29	16.36			17.2	0				
25	16QAM	50	25	16.23	16.29	16.26								
25	16QAM	100	0	16.13	16.38	16.25			17.2	0				
25	16QAM	1	49	16.24	16.25	16.34								
25	256QAM	1	98	16.23	16.29	16.30			17.2	0				
25	256QAM	50	0	16.16	16.29	16.21								
25	256QAM	50	24	16.26	16.27	16.23			17.2	0				
25	256QAM	50	25	16.18	16.35	16.21								
25	256QAM	100	0	16.25	16.29	16.36			17.2	0				
25	256QAM	1	98	16.23	16.29	16.36								
Channel														
Frequency (MHz)														
15	QPSK	1	0	16.22	16.39	16.10			17.2	0				
15	QPSK	1	24	16.19	16.24	16.26								
15	QPSK	1	74	16.11	16.29	16.26			17.2	0				
15	QPSK	36	0	16.07	16.32	16.13								
15	QPSK	36	20	16.26	16.15	16.26			17.2	0				
15	QPSK	36	25	16.19	16.27	16.17								
15	QPSK	75	0	16.07	16.27	16.16			17.2	0				
15	16QAM	1	0	16.26	16.29	16.14								
15	16QAM	1	24	16.14	16.24	16.26			17.2	0				
15	16QAM	1	74	16.23	16.18	16.25								
15	16QAM	36	0	16.15	16.21	16.19			17.2	0				
15	16QAM	36	20	16.26	16.15	16.26								
15	16QAM	36	25	16.13	16.20	16.26			17.2	0				
15	16QAM	75	0	16.10	16.17	16.29								
15	16QAM	1	0	16.23	16.26	16.21			17.2	0				
15	16QAM	1	24	16.23	16.29	16.21								
15	16QAM	1	74	16.14	16.11	16.24			17.2	0				
15	16QAM	36	0	16.23	16.12	16.16								
15	16QAM	36	20	16.26	16.13	16.26			17.2	0				
15	16QAM	36	25	16.13	16.21	16.15								
15	16QAM	75	0	16.05	16.24	16.20			17.2	0				
15	256QAM	1	24	16.19	16.29	16.25								
15	256QAM	1	74	16.11	16.29	16.25			17.2	0				
15	256QAM	36	0	16.27	16.23	16.21								
15	256QAM	36	20	16.27	16.13	16.19			17.2	0				
15	256QAM	36	25	16.07	16.22	16.09								
15	256QAM	75	0	16.12	16.21	16.21			17.2	0				
15	256QAM	1	98	16.12	16.21	16.21								
Channel														
Frequency (MHz)														
10	QPSK	1	0	16.25	16.39	16.17			17.2	0				
10	QPSK	1	24	16.13	16.23	16.26								
10	QPSK	1	49	16.13	16.23	16.26			17.2	0				
10	QPSK	25	0	16.07	16.35	16.30								
10	QPSK	25	12	16.26	16.15	16.26			17.2	0				
10	QPSK	25	25	16.14	16.26	16.24								
10	QPSK	50	0	16.08	16.27	16.11			17.2	0				
10	16QAM	1	0	16.21	16.17	16.23								
10	16QAM	1	24	16.13	16.19	16.15			17.2	0				
10	16QAM	1	49	16.22	16.26	16.26								
10	16QAM	25	0	16.23	16.26	16.17			17.2	0				
10	16QAM	25	12	16.15	16.22	16.27								
10	16QAM	25	25	16.08	16.16	16.27			17.2	0				
10	16QAM	50	0	16.15	16.14	16.27								
10	16QAM	1	0	16.26	16.17	16.24			17.2	0				
10	16QAM	1	49	16.08	16.19	16.32								
10	16QAM	25	0	16.17	16.05	16.21			17.2	0				
10	16QAM	25	12	16.10	16.21	16.26								
10	16QAM	25	25	16.11	16.16	16.21			17.2	0				
10	16QAM	50	0	16.09	16.26	16.21								
10	256QAM	1	0	16.14	16.14	16.23			17.2	0				
10	256QAM	1	49	16.09	16.30	16.19								
10	256QAM	25	0	16.27	16.11	16.23			17.2	0				
10	256QAM	25	12	16.27	16.11	16.23								
10	256QAM	25	25	16.01	16.26	16.10			17.2	0				
10	256QAM	50	0	16.14	16.20	16.26								
Channel														
Frequency (MHz)														
5	QPSK	1	0	16.19	16.43	16.15			17.2	0				
5	QPSK	1	12	16.13	16.23	16.26								
5	QPSK	1	24	16.09	16.29	16.29			17.2	0				
5	QPSK	12	0	16.09	16.40	16.26								
5	QPSK	12	7	16.24	16.18	16.26			17.2	0				
5	QPSK	12	13	16.18	16.35	16.05								
5	QPSK	25	0	16.03	16.27	16.12			17.2	0				
5	16QAM	1	0	16.17	16.17	16.17								
5	16QAM	1	12	16.15	16.22	16.22			17.2	0				
5	16QAM	1	24	16.15	16.17	16.26								
5	16QAM	12	0	16.21	16.26	16.20			17.2	0				
5	16QAM	12	7	16.14	16.24	16.20								
5	16QAM	12	13	16.09	16.26	16.26			17.2	0				
5	16QAM	25	0	16.12	16.11	16.26								
5	16QAM	25	7	16.14	16.24	16.20			17.2	0				
5	16QAM	25	13	16.09	16.26	16.26								
5	16QAM	50	0	16.15	16.14	16.27			17.2	0				
5	16QAM	1	0	16.24	16.22	16.15								
5	16QAM	1	12	16.19	16.13	16.28			17.2	0				
5	16QAM	1	24	16.12	16.11	16.32								
5	16QAM	25	0	16.17	16.05	16.21			17.2	0				
5	16QAM	25	7	16.08	16.13	16.21								
5	16QAM	25	13	16.09	16.16	16.21			17.2	0				
5	16QAM	50	0	16.15	16.16	16.27								
5	256QAM	1	0	16.14	16.14	16.19			17.2	0				
5	256QAM	1	12	16.17	16.20	16.20								
5	256QAM	1	24	16.03	16.27	16.10			17.2	0				
5	256QAM	12	0	16.23	16.22	16.22								
5	256QAM	12	7	16.24	16.16	16.29			17.2	0				
5	256QAM	12	13	16.10	16.24	16.28								

Band 48 Ant2_DSI 2 Standalone											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3560	3609	3641	3690				
20	QPSK	1	0	22.42	22.44	22.54	22.47	24	0		
20	QPSK	1	49	22.34	22.38	22.48	22.42				
20	QPSK	1	99	22.33	22.27	22.42	22.31				
20	QPSK	50	0	21.44	21.41	21.55	21.45				
20	QPSK	50	24	21.20	21.24	21.35	21.16	23	1		
20	QPSK	50	50	21.34	21.33	21.43	21.35				
20	QPSK	100	0	21.25	21.27	21.53	21.36				
20	16QAM	1	0	21.34	21.40	21.52	21.39				
20	16QAM	1	49	21.28	21.21	21.40	21.31	23	1		
20	16QAM	1	99	21.27	21.26	21.39	21.25				
20	16QAM	50	0	20.44	20.40	20.57	20.45				
20	16QAM	50	24	20.33	20.19	20.39	20.24				
20	16QAM	50	50	20.38	20.39	20.48	20.36	22	2		
20	16QAM	100	0	20.32	20.31	20.37	20.20				
20	64QAM	1	0	20.34	20.26	20.44	20.31				
20	64QAM	1	49	20.30	20.21	20.36	20.19				
20	64QAM	1	99	20.14	20.19	20.27	20.21	22	2		
20	64QAM	50	0	19.36	19.45	19.56	19.36				
20	64QAM	50	24	19.34	19.30	19.49	19.43				
20	64QAM	50	50	19.38	19.24	19.43	19.22				
20	64QAM	100	0	19.33	19.31	19.51	19.39	21	3		
20	256QAM	1	0	17.35	17.49	17.35	17.51				
20	256QAM	1	49	17.20	17.36	17.14	17.35				
20	256QAM	1	99	17.32	17.39	17.28	17.37				
20	256QAM	50	0	17.22	17.33	17.23	17.36	19	5		
20	256QAM	50	24	17.27	17.14	17.29	17.08				
20	256QAM	50	50	17.11	17.19	17.10	17.30				
20	256QAM	100	0	17.28	17.13	17.24	17.15				
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3557.5	3608	3642	3692.5				
15	QPSK	1	0	22.32	22.32	22.43	22.30	24	0		
15	QPSK	1	37	22.26	22.21	22.37	22.22				
15	QPSK	1	74	22.23	22.16	22.24	22.24				
15	QPSK	36	0	21.36	21.34	21.35	21.38				
15	QPSK	36	20	21.07	21.07	21.15	21.01	23	1		
15	QPSK	36	39	21.24	21.21	21.24	21.21				
15	QPSK	75	0	21.20	21.08	21.27	21.24				
15	16QAM	1	0	21.21	21.24	21.35	21.28				
15	16QAM	1	37	21.11	21.14	21.26	21.20	23	1		
15	16QAM	1	74	21.09	21.19	21.22	21.04				
15	16QAM	36	0	20.31	20.26	20.45	20.37				
15	16QAM	36	20	20.20	20.14	20.32	20.12				
15	16QAM	36	39	20.22	20.30	20.33	20.20	22	2		
15	16QAM	75	0	20.23	20.23	20.23	20.13				
15	64QAM	1	0	20.18	20.11	20.25	20.11				
15	64QAM	1	37	20.24	20.10	20.19	20.10				
15	64QAM	1	74	20.08	20.14	20.16	20.01	22	2		
15	64QAM	36	0	19.22	19.34	19.45	19.18				
15	64QAM	36	20	19.27	19.16	19.33	19.35				
15	64QAM	36	39	19.28	19.15	19.27	19.06				
15	64QAM	75	0	19.12	19.14	19.43	19.34	21	3		
15	256QAM	1	0	17.33	17.48	17.29	17.41				
15	256QAM	1	37	17.16	17.32	17.11	17.29				
15	256QAM	1	74	17.25	17.39	17.20	17.35				
15	256QAM	36	0	17.14	17.25	17.14	17.32	19	5		
15	256QAM	36	20	17.27	17.11	17.20	17.19				
15	256QAM	36	39	17.04	17.10	17.20	17.26				
15	256QAM	75	0	17.24	17.11	17.15	17.11				
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3555	3607.5	3642.5	3695				
10	QPSK	1	0	22.35	22.33	22.36	22.26	24	0		
10	QPSK	1	25	22.13	22.25	22.39	22.32				
10	QPSK	1	49	22.24	22.10	22.36	22.16				
10	QPSK	25	0	21.39	21.20	21.38	21.37				
10	QPSK	25	12	21.06	21.18	21.14	21.00	23	1		
10	QPSK	25	25	21.15	21.17	21.29	21.17				
10	QPSK	50	0	21.12	21.07	21.21	21.18				
10	16QAM	1	0	21.27	21.34	21.42	21.22				
10	16QAM	1	25	21.20	21.02	21.31	21.24	23	1		
10	16QAM	1	49	21.10	21.12	21.20	21.14				
10	16QAM	25	0	20.32	20.35	20.41	20.25				
10	16QAM	25	12	20.25	20.11	20.27	20.06				
10	16QAM	25	25	20.21	20.22	20.35	20.17	22	2		
10	16QAM	50	0	20.20	20.19	20.31	20.09				
10	64QAM	1	0	20.23	20.13	20.38	20.26				
10	64QAM	1	25	20.20	20.14	20.23	20.05				
10	64QAM	1	49	20.12	20.21	20.19	20.12	22	2		
10	64QAM	25	0	19.17	19.35	19.44	19.27				
10	64QAM	25	12	19.27	19.14	19.34	19.30				
10	64QAM	25	25	19.27	19.06	19.29	19.11				
10	64QAM	50	0	19.16	19.13	19.43	19.28	21	3		
10	256QAM	1	0	17.33	17.41	17.34	17.43				
10	256QAM	1	25	17.21	17.31	17.15	17.30				
10	256QAM	1	49	17.32	17.38	17.26	17.33				
10	256QAM	25	0	17.15	17.24	17.16	17.31	19	5		
10	256QAM	25	12	17.28	17.04	17.28	17.00				
10	256QAM	25	25	17.08	17.10	17.10	17.27				
10	256QAM	50	0	17.22	17.10	17.24	17.04				
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3552.5	3607	3643	3697.5				
5	QPSK	1	0	22.36	22.31	22.40	22.30	24	0		
5	QPSK	1	12	22.29	22.24	22.33	22.27				
5	QPSK	1	24	22.17	22.12	22.22	22.12				
5	QPSK	12	0	21.38	21.23	21.36	21.34				
5	QPSK	12	7	21.05	21.10	21.17	21.28	23	1		
5	QPSK	12	13	21.16	21.25	21.30	21.17				
5	QPSK	25	0	21.08	21.12	21.29	21.27				
5	16QAM	1	0	21.26	21.26	21.40	21.20				
5	16QAM	1	12	21.21	21.15	21.27	21.22	23	1		
5	16QAM	1	24	21.16	21.14	21.29	21.19				
5	16QAM	12	0	20.36	20.20	20.38	20.26				
5	16QAM	12	7	20.12	20.04	20.27	20.07				
5	16QAM	12	13	20.17	20.22	20.35	20.31	22	2		
5	16QAM	25	0	20.13	20.22	20.16	20.04				
5	64QAM	1	0	20.28	20.21	20.35	20.14				
5	64QAM	1	12	20.18	20.15	20.19	20.13				
5	64QAM	1	24	20.09	20.00	20.14	20.16	22	2		
5	64QAM	12	0	19.24	19.31	19.38	19.25				
5	64QAM	12	7	19.16	19.12	19.30	19.29				
5	64QAM	12	13	19.23	19.07	19.28	19.12				
5	64QAM	25	0	19.17	19.19	19.31	19.30	21	3		
5	256QAM	1	0	17.29	17.43	17.34	17.44				
5	256QAM	1	12	17.17	17.32	17.09	17.34				
5	256QAM	1	24	17.33	17.33	17.20	17.29				
5	256QAM	12	0	17.21	17.33	17.16	17.30	19	5		
5	256QAM	12	7	17.27	17.04	17.25	17.01				
5	256QAM	12	13	17.08	17.17	17.05	17.25				
5	256QAM	25	0	17.22	17.12	17.15	17.06				

Band 48 Ant2_DSI 2 Simultaneous											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3560	3609	3641	3690				
20	QPSK	1	0	22.42	22.44	22.54	22.47	24	0		
20	QPSK	1	49	22.34	22.38	22.48	22.42				
20	QPSK	1	99	22.33	22.27	22.42	22.31				
20	QPSK	50	0	21.44	21.41	21.55	21.45				
20	QPSK	50	24	21.20	21.24	21.35	21.16	23	1		
20	QPSK	50	50	21.34	21.33	21.43	21.35				
20	QPSK	100	0	21.25	21.27	21.53	21.36				
20	16QAM	1	0	21.34	21.40	21.52	21.39				
20	16QAM	1	49	21.28	21.21	21.40	21.31	23	1		
20	16QAM	1	99	21.27	21.26	21.39	21.25				
20	16QAM	50	0	20.44	20.40	20.57	20.45				
20	16QAM	50	24	20.33	20.19	20.39	20.24				
20	16QAM	50	50	20.38	20.39	20.48	20.36	22	2		
20	16QAM	100	0	20.32	20.31	20.37	20.20				
20	64QAM	1	0	20.34	20.26	20.44	20.31				
20	64QAM	1	49	20.30	20.21	20.36	20.19				
20	64QAM	1	99	20.14	20.19	20.27	20.21	22	2		
20	64QAM	50	0	19.36	19.45	19.56	19.36				
20	64QAM	50	24	19.34	19.30	19.49	19.43				
20	64QAM	50	50	19.38	19.24	19.43	19.22				
20	64QAM	100	0	19.33	19.31	19.51	19.39	21	3		
20	256QAM	1	0	17.35	17.49	17.35	17.51				
20	256QAM	1	49	17.20	17.36	17.14	17.35				
20	256QAM	1	99	17.32	17.39	17.28	17.37				
20	256QAM	50	0	17.22	17.33	17.23	17.36	19	5		
20	256QAM	50	24	17.27	17.14	17.29	17.08				
20	256QAM	50	50	17.11	17.19	17.10	17.30				
20	256QAM	100	0	17.28	17.13	17.24	17.15				
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3557.5	3608	3642	3692.5				
15	QPSK	1	0	22.32	22.32	22.43	22.30	24	0		
15	QPSK	1	37	22.26	22.21	22.37	22.22				
15	QPSK	1	74	22.23	22.16	22.24	22.24				
15	QPSK	36	0	21.36	21.34	21.35	21.38				
15	QPSK	36	20	21.07	21.07	21.15	21.01	23	1		
15	QPSK	36	39	21.24	21.21	21.24	21.21				
15	QPSK	75	0	21.20	21.08	21.27	21.24				
15	16QAM	1	0	21.21	21.24	21.35	21.28				
15	16QAM	1	37	21.11	21.14	21.26	21.20	23	1		
15	16QAM	1	74	21.09	21.19	21.22	21.04				
15	16QAM	36	0	20.31	20.26	20.45	20.37				
15	16QAM	36	20	20.20	20.14	20.32	20.12				
15	16QAM	36	39	20.22	20.30	20.33	20.20	22	2		
15	16QAM	75	0	20.23	20.23	20.23	20.13				
15	64QAM	1	0	20.18	20.11	20.25	20.11				
15	64QAM	1	37	20.24	20.10	20.19	20.10				
15	64QAM	1	74	20.08	20.14	20.16	20.01	22	2		
15	64QAM	36	0	19.22	19.34	19.45	19.18				
15	64QAM	36	20	19.27	19.16	19.33	19.35				
15	64QAM	36	39	19.28	19.15	19.27	19.06				
15	64QAM	75	0	19.12	19.14	19.43	19.34	21	3		
15	256QAM	1	0	17.33	17.48	17.29	17.41				
15	256QAM	1	37	17.16	17.32	17.11	17.29				
15	256QAM	1	74	17.25	17.39	17.20	17.35				
15	256QAM	36	0	17.14	17.25	17.14	17.32	19	5		
15	256QAM	36	20	17.27	17.11	17.20	17.19				
15	256QAM	36	39	17.04	17.10	17.20	17.26				
15	256QAM	75	0	17.24	17.11	17.15	17.11				
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3555	3607.5	3642.5	3695				
10	QPSK	1	0	22.35	22.33	22.36	22.26	24	0		
10	QPSK	1	25	22.13	22.25	22.39	22.32				
10	QPSK	1	49	22.24	22.10	22.36	22.16				
10	QPSK	25	0	21.39	21.20	21.38	21.37				
10	QPSK	25	12	21.06	21.18	21.14	21.00	23	1		
10	QPSK	25	25	21.15	21.17	21.29	21.17				
10	QPSK	50	0	21.12	21.07	21.21	21.18				
10	16QAM	1	0	21.27	21.34	21.42	21.22				
10	16QAM	1	25	21.20	21.02	21.31	21.24	23	1		
10	16QAM	1	49	21.10	21.12	21.20	21.14				
10	16QAM	25	0	20.32	20.35	20.41	20.25				
10	16QAM	25	12	20.25	20.11	20.27	20.06				
10	16QAM	25	25	20.21	20.22	20.35	20.17	22	2		
10	16QAM	50	0	20.20	20.19	20.31	20.09				
10	64QAM	1	0	20.23	20.13	20.38	20.26				
10	64QAM	1	25	20.20	20.14	20.23	20.05				
10	64QAM	1	49	20.12	20.21	20.19	20.12	22	2		
10	64QAM	25	0	19.17	19.35	19.44	19.27				
10	64QAM	25	12	19.27	19.14	19.34	19.30				
10	64QAM	25	25	19.27	19.06	19.29	19.11				
10	64QAM	50	0	19.16	19.13	19.43	19.28	21	3		
10	256QAM	1	0	17.33	17.41	17.34	17.43				
10	256QAM	1	25	17.21	17.31	17.15	17.30				
10	256QAM	1	49	17.32	17.38	17.26	17.33				
10	256QAM	25	0	17.15	17.24	17.16	17.31	19	5		
10	256QAM	25	12	17.28	17.04	17.28	17.00				
10	256QAM	25	25	17.08	17.10	17.10	17.27				
10	256QAM	50	0	17.22	17.10	17.24	17.04				
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3552.5	3607	3643	3697.5				
5	QPSK	1	0	22.36	22.31	22.40	22.30	24	0		
5	QPSK	1	12	22.29	22.24	22.33	22.27				
5	QPSK	1	24	22.17	22.12	22.22	22.12				
5	QPSK	12	0	21.38	21.23	21.36	21.34				
5	QPSK	12	7	21.05	21.10	21.17	21.28	23	1		
5	QPSK	12	13	21.16	21.25	21.30	21.17				
5	QPSK	25	0	21.08	21.12	21.29	21.27				
5	16QAM	1	0	21.26	21.26	21.40	21.20				
5	16QAM	1	12	21.21	21.15	21.27	21.22	23	1		
5	16QAM	1	24	21.16	21.14	21.29	21.19				
5	16QAM	12	0	20.36	20.20	20.38	20.26				
5	16QAM	12	7	20.12	20.04	20.27	20.07				
5	16QAM	12	13	20.17	20.22	20.35	20.31	22	2		
5	16QAM	25	0	20.13	20.22	20.16	20.04				
5	64QAM	1	0	20.28	20.21	20.35	20.14				
5	64QAM	1	12	20.18	20.15	20.19	20.13				
5	64QAM	1	24	20.09	20.00	20.14	20.16	22	2		
5	64QAM	12	0	19.24	19.31	19.38	19.25				
5	64QAM	12	7	19.16	19.12	19.30	19.29				
5	64QAM	12	13	19.23	19.07	19.28	19.12				
5	64QAM	25	0	19.17	19.19	19.31	19.30	21	3		
5	256QAM	1	0	17.29	17.43	17.34	17.44				
5	256QAM	1	12	17.17	17.32	17.09	17.34				
5	256QAM	1	24	17.33	17.33	17.20	17.29				
5	256QAM	12	0	17.21	17.33	17.16	17.30	19	5		
5	256QAM	12	7	17.27	17.04	17.25	17.01				
5	256QAM	12	13	17.08	17.17	17.05	17.25				
5	256QAM	25	0	17.22	17.12	17.15	17.06				

GSM850 Ant0 DS13 standalone

	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	129	189	251		129	189	251	
GSM850								
TX Channel	524.2	836.4	848.8		524.2	836.4	848.8	
Frequency (MHz)	32.60	32.66	32.49	33.10	23.60	23.66	23.49	24.10
GSM 1 Tx slot	32.58	32.65	32.46	33.10	23.58	23.65	23.46	24.10
GPRS 1 Tx slot	29.62	29.16	29.66	30.10	23.62	23.16	23.66	24.10
GPRS 2 Tx slots	27.31	27.46	27.20	28.40	23.05	23.20	22.94	24.14
GPRS 3 Tx slots	26.62	26.21	26.52	27.10	23.62	23.21	23.52	24.10
GPRS 4 Tx slots	25.57	25.62	25.67	27.00	16.57	16.62	16.67	18.00
EDGE 1 Tx slot	24.04	23.92	24.02	25.00	18.04	17.92	18.02	19.00
EDGE 2 Tx slots	22.76	22.65	22.75	24.00	18.50	18.39	18.49	19.74
EDGE 3 Tx slots	20.68	20.66	20.84	22.00	17.68	17.66	17.84	19.00
EDGE 4 Tx slots								

GSM1900 Ant0 DS13 standalone

	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
GSM1900								
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	27.09	27.11	27.13	27.80	18.09	18.11	18.13	18.80
GSM 1 Tx slot	27.09	27.11	27.13	27.80	18.09	18.11	18.13	18.80
GPRS 1 Tx slot	24.16	24.18	24.54	24.80	18.16	18.18	18.54	18.80
GPRS 2 Tx slots	21.93	21.98	22.11	23.00	17.67	17.72	17.85	18.74
GPRS 3 Tx slots	20.95	21.15	21.07	21.80	17.95	18.15	18.07	18.80
GPRS 4 Tx slots	25.24	25.14	25.29	26.50	16.24	16.14	16.29	17.50
EDGE 1 Tx slot	23.73	23.59	23.68	24.50	17.73	17.59	17.68	18.50
EDGE 2 Tx slots	22.60	22.46	22.55	23.00	18.34	18.22	18.26	18.74
EDGE 3 Tx slots	20.37	20.12	20.29	21.00	17.37	17.12	17.29	18.00
EDGE 4 Tx slots								

WCDMA II Ant0 DS13 standalone

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
		9262	9400	9538		4132	4182	4233	
TX Channel		9662	9800	9938		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	18.03	18.11	18.03	18.70	22.80	22.81	22.78	23.50
3GPP Rel 99	RMC 12.2Kbps	18.17	18.27	18.15	18.70	22.82	22.92	22.90	23.50
3GPP Rel 6	HSDPA Subtest-1	17.12	17.33	17.24	17.70	21.75	21.93	21.82	22.50
3GPP Rel 6	HSDPA Subtest-2	17.15	17.24	17.11	17.70	21.74	21.88	21.93	22.50
3GPP Rel 6	HSDPA Subtest-3	16.63	16.69	16.72	17.20	21.35	21.51	21.44	22.00
3GPP Rel 6	HSDPA Subtest-4	16.75	16.72	16.58	17.20	21.23	21.43	21.36	22.00
3GPP Rel 8	DC-HSDPA Subtest-1	17.27	17.26	17.12	17.70	21.84	21.96	21.83	22.50
3GPP Rel 8	DC-HSDPA Subtest-2	17.26	17.23	17.24	17.70	21.76	21.90	21.98	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	16.61	16.82	16.72	17.20	21.41	21.47	21.34	22.00
3GPP Rel 8	DC-HSDPA Subtest-4	16.65	16.67	16.58	17.20	21.30	21.51	21.39	22.00
3GPP Rel 6	HSUPA Subtest-1	17.19	17.20	17.14	17.70	21.76	21.97	21.86	22.50
3GPP Rel 6	HSUPA Subtest-2	15.66	15.84	15.74	15.70	19.73	19.83	19.90	20.50
3GPP Rel 6	HSUPA Subtest-3	16.13	16.22	16.16	16.70	20.88	21.01	20.91	21.50
3GPP Rel 6	HSUPA Subtest-4	15.75	15.68	15.71	15.70	19.75	20.00	19.95	20.50
3GPP Rel 6	HSUPA Subtest-5	17.10	17.35	17.20	17.70	21.67	21.98	21.88	22.50

GSM850 Ant0 DSIS simultaneous

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	126	169	251		126	169	251	
TX Channel	824.2	838.4	848.8		824.2	838.4	848.8	
Frequency (MHz)	31.56	31.58	31.41	31.80	22.56	22.58	22.41	22.80
GPRS 1 Tx slot	31.52	31.53	31.30	31.80	22.52	22.53	22.30	22.80
GPRS 2 Tx slots	27.80	27.91	28.29	28.80	21.80	21.91	22.29	22.80
GPRS 3 Tx slots	26.29	26.24	26.72	27.00	22.03	21.98	22.46	22.74
GPRS 4 Tx slots	24.62	24.75	24.36	25.80	21.62	21.75	21.36	22.80
EDGE 1 Tx slot	25.57	25.62	25.67	27.00	16.57	16.62	16.67	18.00
EDGE 2 Tx slots	24.04	23.92	24.02	25.00	18.04	17.92	18.02	19.00
EDGE 3 Tx slots	22.76	22.65	22.75	24.00	18.50	18.39	18.49	19.74
EDGE 4 Tx slots	20.68	20.66	20.84	22.00	17.68	17.66	17.84	19.00

GSM1900 Ant0 DSIS simultaneous

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	23.12	23.22	23.20	25.00	14.12	14.22	14.20	16.00
GPRS 1 Tx slot	23.10	23.22	23.19	25.00	14.10	14.22	14.19	16.00
GPRS 2 Tx slots	20.11	20.23	20.09	22.00	14.11	14.23	14.09	16.00
GPRS 3 Tx slots	19.02	18.69	18.61	20.20	14.76	14.43	14.35	15.94
GPRS 4 Tx slots	17.67	17.77	17.32	19.00	14.67	14.77	14.32	16.00
EDGE 1 Tx slot	23.72	23.35	23.33	25.00	14.72	14.35	14.33	16.00
EDGE 2 Tx slots	20.62	20.41	20.67	22.00	14.62	14.41	14.67	16.00
EDGE 3 Tx slots	18.78	18.35	18.41	20.26	14.52	14.09	14.15	16.00
EDGE 4 Tx slots	17.53	17.18	17.23	19.00	14.53	14.18	14.23	16.00

WCDMA II Ant0 DSIS simultaneous

WCDMA V Ant0 DSIS simultaneous

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		4132	4182	4233	
Rx Channel		9662	9800	9938		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	14.03	14.11	13.96	14.70	21.76	21.87	21.82	22.20
3GPP Rel 99	RMC 12.2Kbps	14.13	14.18	14.12	14.70	21.84	21.98	21.93	22.20
3GPP Rel 6	HSDPA Subtest-1	13.18	13.09	13.22	13.70	20.77	20.96	20.87	21.20
3GPP Rel 6	HSDPA Subtest-2	13.18	13.22	13.06	13.70	20.82	20.90	20.91	21.20
3GPP Rel 6	HSDPA Subtest-3	12.57	12.67	12.67	13.20	20.36	20.53	20.34	20.70
3GPP Rel 6	HSDPA Subtest-4	12.62	12.60	12.86	13.20	20.29	20.43	20.40	20.70
3GPP Rel 8	DC-HSDPA Subtest-1	13.03	13.15	13.12	13.70	20.89	21.04	21.00	21.20
3GPP Rel 8	DC-HSDPA Subtest-2	13.15	13.24	13.05	13.70	20.88	21.08	21.01	21.20
3GPP Rel 8	DC-HSDPA Subtest-3	12.67	12.71	12.71	13.20	20.36	20.58	20.41	20.70
3GPP Rel 8	DC-HSDPA Subtest-4	12.64	12.63	12.57	13.20	20.41	20.42	20.46	20.70
3GPP Rel 6	HSUPA Subtest-1	13.05	13.23	13.10	13.70	20.81	20.97	20.98	21.20
3GPP Rel 6	HSUPA Subtest-2	11.20	11.15	11.21	11.70	18.81	18.99	18.96	19.20
3GPP Rel 6	HSUPA Subtest-3	12.23	12.22	12.22	12.70	19.92	19.89	20.02	20.20
3GPP Rel 6	HSUPA Subtest-4	11.13	11.18	11.16	11.70	18.88	18.91	18.86	19.20
3GPP Rel 6	HSUPA Subtest-5	13.15	13.24	13.21	13.70	20.85	20.93	20.88	21.20

GSM850 Ant1 DSIS standalone								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.57	32.36	32.31	33.50	23.57	23.36	23.31	24.50
GPRS 1 Tx slot	32.57	32.36	32.31	33.50	23.57	23.36	23.31	24.50
GPRS 2 Tx slots	29.28	29.04	29.05	30.00	23.28	23.04	23.05	24.00
GPRS 3 Tx slots	28.08	28.14	28.08	29.50	23.82	23.88	23.82	25.24
GPRS 4 Tx slots	28.32	28.03	28.01	27.50	23.32	23.03	23.01	24.50
EDGE 1 Tx slot	25.35	25.28	25.44	27.00	16.35	16.28	16.44	18.00
EDGE 2 Tx slots	23.66	23.56	23.74	25.00	17.66	17.56	17.74	19.00
EDGE 3 Tx slots	22.43	22.37	22.52	24.00	18.17	18.11	18.26	19.74
EDGE 4 Tx slots	20.41	20.40	20.56	22.00	17.41	17.40	17.56	19.00

WCDMA V Ant1 DSIS standalone				
Band	WCDMA V			Tune-up Limit (dBm)
TX Channel	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	23.51	23.61	23.74	24.50
3GPP Rel 99 RMC 12.2Kbps	23.54	23.87	23.77	24.50
3GPP Rel 6 HSDPA Subtest-1	22.85	22.77	22.90	23.50
3GPP Rel 6 HSDPA Subtest-2	22.63	22.74	22.89	23.50
3GPP Rel 6 HSDPA Subtest-3	22.15	22.28	22.40	23.00
3GPP Rel 6 HSDPA Subtest-4	22.13	22.25	22.37	23.00
3GPP Rel 8 DC-HSDPA Subtest-1	22.60	22.72	22.73	23.50
3GPP Rel 8 DC-HSDPA Subtest-2	22.49	22.58	22.82	23.50
3GPP Rel 8 DC-HSDPA Subtest-3	22.17	22.25	22.45	23.00
3GPP Rel 8 DC-HSDPA Subtest-4	22.20	22.21	22.46	23.00
3GPP Rel 6 HSUPA Subtest-1	22.62	22.76	22.86	23.50
3GPP Rel 6 HSUPA Subtest-2	20.60	20.73	20.84	21.50
3GPP Rel 6 HSUPA Subtest-3	21.63	21.71	21.83	22.50
3GPP Rel 6 HSUPA Subtest-4	20.62	20.67	20.85	21.50
3GPP Rel 6 HSUPA Subtest-5	22.60	22.70	22.80	23.50

GSM850 Ant1 DSIS simultaneous									
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		31.82	31.80	32.25	32.40	22.82	22.80	23.25	23.40
GPRS 1 Tx slot		31.79	31.78	32.23	32.40	22.79	22.78	23.23	23.40
GPRS 2 Tx slots		28.70	28.54	28.53	29.40	22.70	22.54	22.53	23.40
GPRS 3 Tx slots		26.86	26.93	26.92	27.70	22.60	22.67	22.66	23.44
GPRS 4 Tx slots		25.68	25.45	25.40	26.40	22.68	22.45	22.40	23.40
EDGE 1 Tx slot		25.35	25.26	25.44	27.00	16.35	16.26	16.44	18.00
EDGE 2 Tx slots		23.66	23.56	23.74	25.00	17.66	17.56	17.74	19.00
EDGE 3 Tx slots		22.43	22.37	22.52	24.00	18.17	18.11	18.26	19.74
EDGE 4 Tx slots		20.41	20.40	20.56	22.00	17.41	17.40	17.56	19.00

WCDMA V Ant1 DSIS simultaneous					
Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.51	23.61	23.74	24.50
3GPP Rel 99	RMC 12.2Kbps	23.51	23.77	23.58	24.50
3GPP Rel 6	HSDPA Subtest-1	22.85	22.77	22.90	23.50
3GPP Rel 6	HSDPA Subtest-2	22.63	22.74	22.89	23.50
3GPP Rel 6	HSDPA Subtest-3	22.15	22.28	22.40	23.00
3GPP Rel 6	HSDPA Subtest-4	22.13	22.25	22.37	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.60	22.72	22.73	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.49	22.58	22.82	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.17	22.25	22.45	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.20	22.21	22.46	23.00
3GPP Rel 6	HSUPA Subtest-1	22.62	22.76	22.86	23.50
3GPP Rel 6	HSUPA Subtest-2	20.80	20.73	20.84	21.50
3GPP Rel 6	HSUPA Subtest-3	21.63	21.71	21.83	22.50
3GPP Rel 6	HSUPA Subtest-4	20.62	20.67	20.85	21.50
3GPP Rel 6	HSUPA Subtest-5	22.60	22.70	22.80	23.50

Band 2 Ant0 DS13 standalone										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	MPE (dB)		
Channel										
1880 1880 1900										
20	QPSK	1	0	18.57	18.73	18.82				
20	QPSK	1	49	18.63	18.83	18.92	19.1	0		
20	QPSK	1	99	18.61	18.65	18.66				
20	QPSK	50	0	18.59	18.71	18.86				
20	QPSK	50	24	18.52	18.59	18.7	19.1	0		
20	QPSK	50	50	18.52	18.7	18.86				
20	QPSK	100	0	18.6	18.7	18.82				
20	16QAM	1	0	18.41	18.47	18.52				
20	16QAM	1	49	18.56	18.58	18.58	19.1	0		
20	16QAM	1	99	18.52	18.49	18.51				
20	16QAM	50	0	18.46	18.51	18.53				
20	16QAM	50	24	18.45	18.58	18.58	19.1	0		
20	16QAM	50	50	18.41	18.48	18.5				
20	16QAM	100	0	18.43	18.55	18.52				
20	64QAM	1	0	18.45	18.59	18.59				
20	64QAM	1	49	18.55	18.59	18.52	19.1	0		
20	64QAM	1	99	18.56	18.45	18.52				
20	64QAM	50	0	18.43	18.56	18.52	19.1	0		
20	64QAM	50	24	18.45	18.58	18.55				
20	64QAM	50	50	18.48	18.58	18.59				
20	64QAM	100	0	18.48	18.54	18.55				
20	256QAM	1	0	18.51	18.67	18.52				
20	256QAM	1	49	18.51	18.54	18.47	19.1	0		
20	256QAM	1	99	18.40	18.5	18.58				
20	256QAM	50	0	18.52	18.57	18.52				
20	256QAM	50	24	18.44	18.41	18.55	19.1	0		
20	256QAM	50	50	18.4	18.64	18.8				
20	256QAM	100	0	18.48	18.4	18.5				
Channel										
1887.5 1880 1902.5										
15	QPSK	1	0	18.53	18.65	18.49				
15	QPSK	1	37	18.6	18.48	18.62	19.1	0		
15	QPSK	1	74	18.58	18.53	18.6				
15	QPSK	36	0	18.44	18.64	18.36				
15	QPSK	36	20	18.39	18.52	18.1	19.1	0		
15	QPSK	36	36	18.42	18.68	18.46				
15	QPSK	75	0	18.58	18.58	18.49				
15	16QAM	1	0	18.33	18.52	18.38				
15	16QAM	1	37	18.46	18.53	18.39	19.1	0		
15	16QAM	1	74	18.42	18.46	18.5				
15	16QAM	36	0	18.31	18.45	18.45				
15	16QAM	36	20	18.37	18.52	18.51	19.1	0		
15	16QAM	36	36	18.25	18.58	18.46				
15	16QAM	75	0	18.25	18.58	18.46				
15	64QAM	1	0	18.28	18.66	18.45	19.1	0		
15	64QAM	1	37	18.27	18.47	18.47				
15	64QAM	1	74	18.52	18.44	18.56				
15	64QAM	36	0	18.51	18.45	18.56				
15	64QAM	36	20	18.3	18.53	18.55	19.1	0		
15	64QAM	36	36	18.35	18.52	18.55				
15	64QAM	75	0	18.35	18.52	18.55				
15	256QAM	1	0	18.31	18.55	18.46				
15	256QAM	1	37	18.49	18.35	18.35	19.1	0		
15	256QAM	1	74	18.43	18.46	18.46				
15	256QAM	36	0	18.4	18.39	18.41				
15	256QAM	36	20	18.34	18.29	18.45	19.1	0		
15	256QAM	36	36	18.25	18.62	18.42				
15	256QAM	75	0	18.45	18.4	18.5				
Channel										
1886.5 1880 1915.5										
5	QPSK	1	0	18.49	18.73	18.61				
5	QPSK	1	25	18.45	18.48	18.52	19.1	0		
5	QPSK	1	49	18.47	18.6	18.49				
5	QPSK	20	0	18.54	18.54	18.46				
5	QPSK	25	12	18.35	18.42	18.35	19.1	0		
5	QPSK	25	26	18.46	18.62	18.47				
5	16QAM	1	0	18.46	18.57	18.45				
5	16QAM	1	49	18.31	18.35	18.35	19.1	0		
5	16QAM	1	26	18.41	18.44	18.38				
5	16QAM	1	49	18.47	18.52	18.46				
5	16QAM	25	0	18.29	18.58	18.46				
5	16QAM	25	12	18.41	18.49	18.63	19.1	0		
5	16QAM	25	26	18.35	18.47	18.45				
5	16QAM	50	0	18.38	18.43	18.43				
5	64QAM	1	0	18.35	18.57	18.45	19.1	0		
5	64QAM	1	24	18.51	18.38	18.45				
5	64QAM	1	49	18.43	18.42	18.5				
5	64QAM	25	0	18.43	18.4	18.46				
5	64QAM	25	12	18.35	18.5	18.46	19.1	0		
5	64QAM	25	26	18.29	18.57	18.48				
5	64QAM	50	0	18.4	18.53	18.44				
5	256QAM	1	0	18.34	18.52	18.4				
5	256QAM	1	26	18.39	18.25	18.43	19.1	0		
5	256QAM	1	49	18.46	18.39	18.45				
5	256QAM	25	0	18.46	18.43	18.45				
5	256QAM	25	12	18.35	18.32	18.43	19.1	0		
5	256QAM	25	26	18.34	18.47	18.52				
5	256QAM	50	0	18.33	18.48	18.46				
Channel										
1882.5 1880 1917.5										
5	QPSK	1	0	18.43	18.61	18.43				
5	QPSK	1	12	18.5	18.51	18.5	19.1	0		
5	QPSK	1	24	18.44	18.63	18.57				
5	QPSK	12	0	18.52	18.52	18.47				
5	QPSK	12	7	18.46	18.44	18.57	19.1	0		
5	QPSK	12	13	18.35	18.55	18.47				
5	QPSK	36	0	18.58	18.58	18.46				
5	16QAM	1	0	18.31	18.5	18.34				
5	16QAM	1	12	18.46	18.55	18.39	19.1	0		
5	16QAM	1	24	18.48	18.34	18.46				
5	16QAM	12	0	18.32	18.53	18.8				
5	16QAM	12	7	18.3	18.52	18.43	19.1	0		
5	16QAM	12	13	18.31	18.47	18.43				
5	16QAM	25	0	18.37	18.62	18.37				
5	64QAM	1	0	18.41	18.52	18.57	19.1	0		
5	64QAM	1	12	18.4	18.42	18.52				
5	64QAM	1	24	18.51	18.38	18.45				
5	64QAM	12	0	18.48	18.53	18.51				
5	64QAM	12	7	18.39	18.5	18.49	19.1	0		
5	64QAM	12	13	18.38	18.52	18.58				
5	64QAM	25	0	18.36	18.46	18.47				
5	256QAM	1	0	18.35	18.5	18.5				
5	256QAM	1	12	18.36	18.5	18.4	19.1	0		
5	256QAM	1	24	18.34	18.34	18.46				
5	256QAM	12	0	18.4	18.39	18.4				
5	256QAM	12	7	18.3	18.24	18.45	19.1	0		
5	256QAM	12	13	18.29	18.51	18.52				
5	256QAM	25	0	18.38	18.47	18.46				
Channel										
1881.5 1880 1918.5										
3	QPSK	1	0	18.45	18.62	18.44				
3	QPSK	1	8	18.57	18.52	18.48	19.1	0		
3	QPSK	8	0	18.5	18.57	18.52				
3	QPSK	8	4	18.45	18.58	18.52	19.1	0		
3	QPSK	8	7	18.35	18.57	18.53				
3	QPSK	15	0	18.5	18.51	18.53				
3	16QAM	1	0	18.38	18.53	18.35				
3	16QAM	1	8	18.43	18.49	18.44	19.1	0		
3	16QAM	1	14	18.47	18.46	18.48				
3	16QAM	8	0	18.43	18.51	18.51				
3	16QAM	8	4	18.34	18.54	18.57	19.1	0		
3	16QAM	8	7	18.32	18.45	18.54				
3	64QAM	1	0	18.4	18.63	18.34				
3	64QAM	1	8	18.51	18.56	18.8	19.1	0		
3	64QAM	1	14	18.4	18.42	18.46				
3	64QAM	8	0	18.38	18.53	18.5				
3	64QAM	8	4	18.3	18.52	18.49	19.1	0		
3	64QAM	8	7	18.42	18.44	18.59				
3	64QAM	15	0	18.42	18.55	18.44				
3	256QAM	1	0	18.39	18.62	18.37				
3	256QAM	1	8	18.36	18.51	18.39	19.1	0		
3	256QAM	1	14	18.32	18.49	18.52				
3	256QAM	8	0	18.52	18.33	18.39				
3	256QAM	8	4	18.37	18.32	18.49	19.1	0		
3	256QAM	8	7	18.35	18.49	18.45				
3	256QAM	15	0	18.41	18.51	18.46				
Channel										
1880.5 1880 1900.5										
1.4	QPSK	1	0	18.5	18.66	18.44				
1.4	QPSK	1	8	18.62	18.59	18.52	19.1	0		
1.4	QPSK	1	9	18.58	18.57	18.51				
1.4	QPSK	3	0	18.48	18.57	18.63				
1.4	QPSK	3	3	18.44	18.63	18.57	19.1	0		
1.4	QPSK	6	0	18.43	18.66	18.57	19.1	0		
1.4	QPSK	6	3	18.47	18.53	18.47				
1.4	QPSK	9	0	18.5	18.41	18.58				
1.4	16QAM	1	0	18.38	18.39	18.47	19.1	0		
1.4	16QAM	1	3	18.47	18.37	18.43				
1.4	16QAM	1	6	18.3	18.47	18.51				
1.4	16QAM	3	0	18.27	18.42	18.				



Band 7 Ant0 DS13 standalone											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPE (dB)			
Channel											
Frequency (MHz)				2510	25100	2550					
20	QPSK	1	0	18.7	18.68	18.56	20.2	0			
20	QPSK	1	49	18.59	18.77	18.73					
20	QPSK	1	99	18.68	18.68	18.68					
20	QPSK	50	0	18.59	18.73	18.53					
20	QPSK	50	24	18.46	18.6	18.59					
20	QPSK	50	50	18.9	18.72	18.66	20.2	0			
20	HQAM	1	0	18.53	18.59	18.54					
20	HQAM	1	49	18.58	18.59	18.61					
20	HQAM	1	99	18.59	18.46	18.52					
20	HQAM	50	0	18.37	18.59	18.59					
20	HQAM	50	24	18.33	18.47	18.37	20.2	0			
20	HQAM	50	50	18.59	18.64	18.59					
20	HQAM	100	0	18.42	18.63	18.52					
20	HQAM	1	0	18.49	18.67	18.53					
20	HQAM	1	49	18.46	18.42	18.45					
20	HQAM	1	99	18.65	18.39	18.65	20.2	0			
20	HQAM	50	0	18.49	18.56	18.59					
20	HQAM	50	24	18.54	18.45	18.51					
20	HQAM	100	0	18.47	18.57	18.48					
20	SSBAM	1	0	18.41	18.51	18.49					
20	SSBAM	1	49	18.49	18.33	18.47	20	0.2			
20	SSBAM	1	99	18.39	18.26	18.43					
20	SSBAM	50	0	18.47	18.47	18.47					
20	SSBAM	50	24	18.32	18.34	18.5					
20	SSBAM	50	50	18.41	18.45	18.5					
20	SSBAM	100	0	18.49	18.37	18.39	20				
Channel											
Frequency (MHz)				2507.5	25100	25170			Turn-up time (sec)	MPE (dB)	
15	QPSK	1	0	18.64	18.74	18.43	20.2	0			
15	QPSK	1	37	18.49	18.68	18.67					
15	QPSK	1	74	18.59	18.33	18.57					
15	QPSK	36	0	18.46	18.59	18.47					
15	QPSK	36	36	18.49	18.48	18.39					
15	QPSK	36	36	18.41	18.66	18.57	20.2	0			
15	QPSK	75	0	18.36	18.53	18.43					
15	HQAM	1	0	18.46	18.51	18.51					
15	HQAM	1	37	18.51	18.55	18.55					
15	HQAM	1	74	18.41	18.36	18.49					
15	HQAM	36	0	18.22	18.47	18.32	20.2	0			
15	HQAM	36	36	18.25	18.47	18.35					
15	HQAM	75	0	18.25	18.34	18.39					
15	HQAM	75	36	18.29	18.57	18.37					
15	HQAM	1	0	18.34	18.54	18.36					
15	HQAM	1	37	18.49	18.49	18.49	20.2	0			
15	HQAM	1	74	18.58	18.33	18.57					
15	HQAM	36	0	18.35	18.44	18.32					
15	HQAM	36	36	18.33	18.45	18.35					
15	HQAM	36	36	18.1	18.35	18.25					
15	HQAM	75	0	18.45	18.57	18.39	20	0.2			
15	SSBAM	1	0	18.43	18.57	18.39					
15	SSBAM	1	37	18.43	18.2	18.42					
15	SSBAM	1	74	18.26	18.3	18.31					
15	SSBAM	36	0	18.31	18.48	18.34					
15	SSBAM	36	36	18.54	18.54	18.39	20	0.2			
15	SSBAM	75	0	18.29	18.35	18.39					
15	SSBAM	75	36	18.29	18.35	18.39					
15	SSBAM	100	0	18.31	18.35	18.35					
15	SSBAM	100	0	18.31	18.35	18.35					
Channel											
Frequency (MHz)				2509.5	25100	25170	Turn-up time (sec)	MPE (dB)			
10	QPSK	1	0	18.79	18.79	18.92	20.2	0			
10	QPSK	1	49	18.44	18.42	18.42					
10	QPSK	1	49	18.59	18.58	18.53					
10	QPSK	50	0	18.52	18.52	18.44					
10	QPSK	50	24	18.41	18.52	18.47					
10	QPSK	25	25	18.44	18.56	18.55	20.2	0			
10	QPSK	50	0	18.37	18.49	18.52					
10	HQAM	1	0	18.43	18.48	18.48					
10	HQAM	1	25	18.43	18.53	18.51					
10	HQAM	1	49	18.48	18.31	18.48					
10	HQAM	25	0	18.3	18.47	18.33	20.2	0			
10	HQAM	25	12	18.54	18.32	18.62					
10	HQAM	25	36	18.47	18.52	18.47					
10	HQAM	50	0	18.31	18.56	18.37					
10	HQAM	1	0	18.31	18.52	18.45					
10	HQAM	1	25	18.36	18.3	18.31	20	0.2			
10	HQAM	1	49	18.58	18.25	18.56					
10	HQAM	25	0	18.4	18.43	18.43					
10	HQAM	25	12	18.47	18.35	18.47					
10	HQAM	25	36	18.45	18.51	18.38					
10	HQAM	50	0	18.47	18.54	18.45	20	0.2			
10	SSBAM	1	0	18.25	18.41	18.28					
10	SSBAM	1	25	18.34	18.27	18.43					
10	SSBAM	1	49	18.28	18.35	18.35					
10	SSBAM	25	0	18.35	18.37	18.3					
10	SSBAM	25	12	18.54	18.35	18.35	20	0.2			
10	SSBAM	25	36	18.35	18.4	18.46					
10	SSBAM	50	0	18.3	18.35	18.37					
10	SSBAM	50	0	18.3	18.35	18.35					
Channel											
Frequency (MHz)				2507.5	25100	25170	Turn-up time (sec)	MPE (dB)			
5	QPSK	1	0	18.53	18.79	18.5	20.2	0			
5	QPSK	1	12	18.48	18.69	18.61					
5	QPSK	1	24	18.54	18.52	18.57	20.2	0			
5	QPSK	1	36	18.47	18.48	18.43					
5	QPSK	12	7	18.39	18.54	18.43	20.2	0			
5	QPSK	12	19	18.34	18.58	18.58					
5	QPSK	12	31	18.48	18.57	18.44	20.2	0			
5	HQAM	1	0	18.47	18.59	18.49					
5	HQAM	1	12	18.48	18.6	18.6	20.2	0			
5	HQAM	1	24	18.41	18.4	18.4					
5	HQAM	12	0	18.29	18.43	18.62	20.2	0			
5	HQAM	12	7	18.24	18.36	18.61					
5	HQAM	12	19	18.43	18.48	18.43	20.2	0			
5	HQAM	12	31	18.44	18.45	18.45					
5	HQAM	25	0	18.37	18.58	18.43	20.2	0			
5	HQAM	25	12	18.31	18.32	18.44					
5	HQAM	25	31	18.39	18.4	18.4	20.2	0			
5	HQAM	25	44	18.38	18.4	18.4					
5	HQAM	24	0	18.24	18.24	18.59	20.2	0			
5	HQAM	24	12	18.4	18.42	18.45					
5	HQAM	24	24	18.4	18.43	18.43	20.2	0			
5	HQAM	24	36	18.49	18.51	18.47					
5	HQAM	24	48	18.3	18.48	18.47	20.2	0			
5	HQAM	24	60	18.37	18.27	18.39					
5	SSBAM	1	0	18.31	18.39	18.39	20.2	0			
5	SSBAM	1	12	18.39	18.4	18.4					
5	SSBAM	12	0	18.22	18.3	18.39	20.2	0			
5	SSBAM	12	12	18.36	18.37	18.4					

Band 2 Ant0 DS3 simultaneous											
RF (MHz)	Modulation	RB Size	RB Offset	Power (dBm)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)	Time-slot (slots)	MFR (dB)		
Channel											
Frequency (MHz)	1	0		14.56	14.8	14.44					
20	QPSK	1	0	14.56 <td>14.8<td>14.44<td></td><td></td><td></td><td></td><td></td></td></td>	14.8 <td>14.44<td></td><td></td><td></td><td></td><td></td></td>	14.44 <td></td> <td></td> <td></td> <td></td> <td></td>					
20	QPSK	1	49	14.56	14.68 <td>14.74</td> <td></td> <td>15.7</td> <td>0</td> <td></td> <td></td>	14.74		15.7	0		
20	QPSK	1	49	14.56	14.53	14.44					
20	QPSK	1	49	14.56	14.63	14.38					
20	QPSK	50	24	14.56	14.55	14.38		15.7	0		
20	QPSK	50	24	14.56	14.48	14.38					
20	QPSK	50	0	14.43	14.53	14.47					
20	QPSK	50	0	14.43	14.45	14.47					
20	QPSK	1	0	14.42	14.42	14.41					
20	QPSK	1	49	14.42	14.42	14.41		15.7	0		
20	QPSK	50	24	14.42	14.42	14.41					
20	QPSK	50	24	14.42	14.38	14.38					
20	QPSK	50	0	14.34	14.40	14.42					
20	QPSK	50	0	14.34	14.31	14.42					
20	QPSK	1	49	14.36	14.41	14.41		15.7	0		
20	QPSK	1	99	14.34	14.34	14.44					
20	QPSK	50	24	14.32	14.42	14.38		15.7	0		
20	QPSK	50	24	14.32	14.32	14.38					
20	QPSK	50	0	14.38	14.38	14.38					
20	QPSK	50	0	14.4	14.4	14.4					
20	QPSK	1	0	14.42	14.31	14.4					
20	QPSK	1	49	14.42	14.27	14.38		15.7	0		
20	QPSK	1	99	14.31	14.37	14.29					
20	QPSK	50	0	14.26	14.38	14.31					
20	QPSK	50	0	14.26	14.33	14.31					
20	QPSK	50	49	14.26	14.33	14.31		15.7	0		
20	QPSK	50	60	14.31	14.45	14.33					
20	QPSK	100	0	14.29	14.4	14.41					
Channel											
Frequency (MHz)	1	0		14.57	14.800	14.600	14.600	Time-slot (slots)	MFR (dB)		
15	QPSK	1	0	14.43	14.76	14.4		15.7	0		
15	QPSK	1	49	14.43	14.76	14.4					
15	QPSK	50	24	14.48	14.37	14.33					
15	QPSK	36	0	14.33	14.53	14.27					
15	QPSK	36	0	14.33	14.39	14.33		15.7	0		
15	QPSK	36	49	14.33	14.39	14.44					
15	QPSK	75	0	14.38	14.48	14.33					
15	QPSK	75	0	14.38	14.35	14.38					
15	QPSK	1	37	14.31	14.33	14.38					
15	QPSK	1	74	14.27	14.33	14.37		15.7	0		
15	QPSK	36	20	14.27	14.33	14.38					
15	QPSK	36	20	14.25	14.31	14.35					
15	QPSK	36	20	14.42	14.24	14.28					
15	QPSK	36	20	14.26	14.38	14.43		15.7	0		
15	QPSK	1	0	14.24	14.42	14.27					
15	QPSK	1	37	14.28	14.47	14.33		15.7	0		
15	QPSK	1	74	14.28	14.47	14.33					
15	QPSK	36	0	14.15	14.23	14.2					
15	QPSK	36	20	14.19	14.31	14.26		15.7	0		
15	QPSK	75	0	14.31	14.23	14.26					
15	QPSK	75	0	14.31	14.23	14.26					
15	QPSK	1	0	14.3	14.23	14.26					
15	QPSK	1	49	14.3	14.44	14.33		15.7	0		
15	QPSK	36	20	14.27	14.33	14.38					
15	QPSK	36	20	14.27	14.33	14.38					
15	QPSK	75	0	14.27	14.23	14.26		15.7	0		
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	1	0	14.26	14.37	14.3					
15	QPSK	1	49	14.26	14.37	14.3					
15	QPSK	36	20	14.27	14.33	14.38		15.7	0		
15	QPSK	36	20	14.27	14.33	14.38					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	1	0	14.26	14.37	14.3					
15	QPSK	1	49	14.26	14.37	14.3					
15	QPSK	36	20	14.27	14.33	14.38		15.7	0		
15	QPSK	36	20	14.27	14.33	14.38					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	1	0	14.26	14.37	14.3					
15	QPSK	1	49	14.26	14.37	14.3					
15	QPSK	36	20	14.27	14.33	14.38		15.7	0		
15	QPSK	36	20	14.27	14.33	14.38					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	1	0	14.26	14.37	14.3					
15	QPSK	1	49	14.26	14.37	14.3					
15	QPSK	36	20	14.27	14.33	14.38		15.7	0		
15	QPSK	36	20	14.27	14.33	14.38					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	1	0	14.26	14.37	14.3					
15	QPSK	1	49	14.26	14.37	14.3					
15	QPSK	36	20	14.27	14.33	14.38		15.7	0		
15	QPSK	36	20	14.27	14.33	14.38					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	1	0	14.26	14.37	14.3					
15	QPSK	1	49	14.26	14.37	14.3					
15	QPSK	36	20	14.27	14.33	14.38		15.7	0		
15	QPSK	36	20	14.27	14.33	14.38					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	1	0	14.26	14.37	14.3					
15	QPSK	1	49	14.26	14.37	14.3					
15	QPSK	36	20	14.27	14.33	14.38		15.7	0		
15	QPSK	36	20	14.27	14.33	14.38					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	1	0	14.26	14.37	14.3					
15	QPSK	1	49	14.26	14.37	14.3					
15	QPSK	36	20	14.27	14.33	14.38		15.7	0		
15	QPSK	36	20	14.27	14.33	14.38					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	1	0	14.26	14.37	14.3					
15	QPSK	1	49	14.26	14.37	14.3					
15	QPSK	36	20	14.27	14.33	14.38		15.7	0		
15	QPSK	36	20	14.27	14.33	14.38					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	1	0	14.26	14.37	14.3					
15	QPSK	1	49	14.26	14.37	14.3					
15	QPSK	36	20	14.27	14.33	14.38		15.7	0		
15	QPSK	36	20	14.27	14.33	14.38					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	1	0	14.26	14.37	14.3					
15	QPSK	1	49	14.26	14.37	14.3					
15	QPSK	36	20	14.27	14.33	14.38		15.7	0		
15	QPSK	36	20	14.27	14.33	14.38					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	1	0	14.26	14.37	14.3					
15	QPSK	1	49	14.26	14.37	14.3					
15	QPSK	36	20	14.27	14.33	14.38		15.7	0		
15	QPSK	36	20	14.27	14.33	14.38					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	1	0	14.26	14.37	14.3					
15	QPSK	1	49	14.26	14.37	14.3					
15	QPSK	36	20	14.27	14.33	14.38		15.7	0		
15	QPSK	36	20	14.27	14.33	14.38					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	1	0	14.26	14.37	14.3					
15	QPSK	1	49	14.26	14.37	14.3					
15	QPSK	36	20	14.27	14.33	14.38		15.7	0		
15	QPSK	36	20	14.27	14.33	14.38					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	1	0	14.26	14.37	14.3					
15	QPSK	1	49	14.26	14.37	14.3					
15	QPSK	36	20	14.27	14.33	14.38		15.7	0		
15	QPSK	36	20	14.27	14.33	14.38					
15	QPSK	75	0	14.27	14.23	14.26					
15	QPSK	75	0	14.27	14.23						

[illegible]

Band 5 Ant0 DS33 simultaneous												
BW (MHz)	Modulation	RF B3	RF Offset	Power / Channel 20466	Power / Channel 20625	Power / Channel 20600	Power / Channel 20625	Turn-on time (μs)	APR (dB)			
Frequency (MHz)												
10	QPSK	1	0	21.91	21.97	21.79	21.83					
10	QPSK	1	26	21.85	21.87	21.78	21.82					
10	QPSK	1	49	21.79	21.83	21.62	21.80					
10	QPSK	1	73	21.81	21.85	21.63	21.82					
10	QPSK	25	12	21.84	21.89	21.95	21.97			22.0		
10	QPSK	25	38	21.87	21.87	21.77	21.82					
10	QPSK	25	64	21.91	21.93	21.82	21.92					
10	16QAM	1	0	21.73	21.76	21.67	21.70					
10	16QAM	1	26	21.75	21.78	21.67	21.72					
10	16QAM	1	49	21.47	21.61	21.6	21.6			22.2		
10	16QAM	25	0	21.08	21.22	21.09	21.16					
10	16QAM	25	26	21.23	21.28	21.23	21.26					
10	16QAM	25	28	21.26	21.28	21.28	21.30					
10	16QAM	50	0	21.33	21.34	21.29	21.30					
10	16QAM	50	26	21.36	21.37	21.32	21.34					
10	16QAM	1	26	21.86	21.85	21.65	21.82			22.2		
10	16QAM	1	49	21.83	21.85	21.64	21.82					
10	16QAM	25	12	21.85	21.87	21.87	21.87					
10	16QAM	25	12	21.23	21.34	21.31	21.32					
10	16QAM	25	25	21.22	21.33	21.32	21.32			22.2		
10	256QAM	1	0	18.36	18.40	18.35	18.36					
10	256QAM	1	0	18.36	18.38	18.39	18.39			19.2		
10	256QAM	1	26	18.37	18.40	18.39	18.39					
10	256QAM	25	0	18.33	18.51	18.72	18.72					
10	256QAM	25	12	18.36	18.36	18	18			19.2		
10	256QAM	25	25	18.37	18.37	18	18					
10	256QAM	50	0	18.28	18.28	18.35	18.35					
Channel												
Frequency (MHz)												
5	QPSK	1	0	21.75	21.83	21.74	21.81					
5	QPSK	1	12	21.68	21.75	21.71	21.71			22.2		
5	QPSK	1	24	21.61	21.81	21.71	21.71					
5	QPSK	1	38	21.64	21.84	21.74	21.76					
5	QPSK	12	7	21.81	21.79	21.93	21.93					
5	QPSK	12	13	21.81	21.74	21.75	21.75					
5	QPSK	12	15	21.85	21.83	21.84	21.84					
5	16QAM	1	0	21.62	21.69	21.61	21.61					
5	16QAM	1	12	21.48	21.73	21.38	21.45			22.2		
5	16QAM	1	24	21.28	21.5	21.5	21.5					
5	16QAM	12	0	21.04	21.09	21.26	21.26					
5	16QAM	12	7	21.26	21.27	21.26	21.26			22.2		
5	16QAM	12	13	21.15	21.34	21.34	21.34					
5	16QAM	25	0	21.32	21.17	21.1	21.1					
5	16QAM	25	0	21.86	21.88	21.62	21.62					
5	16QAM	25	12	21.88	21.87	21.62	21.62			22.2		
5	16QAM	25	12	21.23	21.34	21.31	21.32					
5	16QAM	25	25	21.22	21.33	21.32	21.32			22.2		
5	256QAM	1	0	18.36	18.40	18.35	18.36					
5	256QAM	1	0	18.36	18.38	18.39	18.39			19.2		
5	256QAM	1	26	18.37	18.40	18.39	18.39					
5	256QAM	25	0	18.33	18.51	18.72	18.72					
5	256QAM	25	12	18.36	18.36	18	18			19.2		
5	256QAM	25	25	18.37	18.37	18	18					
5	256QAM	50	0	18.28	18.28	18.35	18.35					
Channel												
Frequency (MHz)												
3	QPSK	1	0	21.73	21.81	21.78	21.84					
3	QPSK	1	8	21.83	21.87	21.68	21.80			22.2		
3	QPSK	1	14	21.62	21.8	21.71	21.71					
3	QPSK	1	21	21.63	21.76	21.65	21.65					
3	QPSK	8	4	21.93	21.81	21.85	21.85			22.2		
3	QPSK	8	7	21.84	21.85	21.69	21.71					
3	QPSK	8	11	21.73	21.85	21.68	21.68					
3	16QAM	1	0	21.71	21.76	21.64	21.64					
3	16QAM	1	8	21.48	21.69	21.37	21.45			22.2		
3	16QAM	1	16	21.29	21.48	21.37	21.37					
3	16QAM	8	0	21.04	21.33	21.43	21.43					
3	16QAM	8	4	21.06	21.32	21.28	21.28			22.2		
3	16QAM	8	7	21.09	21.35	21.21	21.21					
3	16QAM	15	0	21.12	21.22	21.1	21.1					
3	16QAM	15	0	21.81	21.75	21.68	21.68					
3	16QAM	15	7	21.21	21.25	21.25	21.25			22.2		
3	16QAM	1	14	21.52	21.6	21.5	21.5					
3	16QAM	8	0	21.05	21.02	21.15	21.15					
3	16QAM	8	0	21.08	21.05	21.25	21.25					
3	16QAM	15	0	21.15	21.13	21.13	21.13			22.2		
3	256QAM	1	0	18.37	18.43	18.36	18.36					
3	256QAM	1	8	18.36	18.46	18.34	18.34			19.2		
3	256QAM	8	14	18.76	18.97	18.85	18.85					
3	256QAM	8	0	18.36	18.42	18.36	18.36					
3	256QAM	8	4	18.94	18.88	18.89	18.89			19.2		
3	256QAM	15	0	18.37	18.43	18.36	18.36					
3	256QAM	15	7	18	18.90	18.84	18.84					
3	256QAM	15	0	18.37	18.43	18.36	18.36					
Channel												
Frequency (MHz)												
14	QPSK	1	0	21.67	21.65	21.63	21.63					
14	QPSK	1	0	21.67	21.65	21.63	21.63					
14	QPSK	1	3	21.86	21.85	21.65	21.65			22.2		
14	QPSK	1	5	21.74	21.78	21.63	21.63					
14	QPSK	1	8	21.78	21.8	21.63	21.63					
14	QPSK	3	1	21.84	21.81	21.65	21.65					
14	QPSK	3	3	21.74	21.89	21.69	21.69					
14	QPSK	3	5	21.86	21.77	21.68	21.68			22.2		
14	16QAM	1	0	21.84	21.82	21.67	21.67					
14	16QAM	1	3	21.86	21.83	21.68	21.68					
14	16QAM	1	5	21.78	21.82	21.67	21.67					
14	16QAM	3	0	21.71	21.83	21.7	21.7			22.2		
14	16QAM	3	1	21.76	21.78	21.62	21.62					
14	16QAM	3	3	21.8	21.77	21.66	21.66					
14	16QAM	6	0	21.81	21.79	21.62	21.62					
14	16QAM	6	0	21.77	21.69	21.73	21.73			22.2		
14	16QAM	6	1	21.77	21.68	21.63	21.63					
14	16QAM	1	5	21.72	21.84	21.77	21.77			22.2		
14	16QAM	3	0	21.66	21.66	21.67	21.67					
14	16QAM	3	1	21.69	21.74	21.62	21.62					
14	16QAM	3	3	21.76	21.85	21.77	21.77					
14	16QAM	6	0	21.75	21.79	21.7	21.7			22.2		
14	256QAM	1	0	18.37	18.47	18.37	18.37					
14	256QAM	1	3	18.65	18.79	18.64	18.64					
14	256QAM	5	5	18.82	18.84	18.56	18.56			19.2		
14	256QAM	5	8	18.81	18.84	18.56	18.56					
14	256QAM	3	1	18.93	18.97	18.82	18.82					
14	256QAM	3	3	18.84	18.86	18.76	18.76			19.2		
14	256QAM	6	0	18.85	18.88	18.76	18.76					



Band 7 Ant0 DS13 simultaneous												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	MPE (dB)				
Channel												
Frequency (MHz)				2508.5	25100	25150						
20	QPSK	1	0	14.59	14.79	14.52	15	0				
20	QPSK	1	49	14.55	14.58	14.58						
20	QPSK	1	99	14.52	14.63	14.47						
20	QPSK	50	24	14.53	14.62	14.47						
20	QPSK	50	49	14.59	14.54	14.55	15	0				
20	QPSK	100	0	14.47	14.49	14.46						
20	HQAM	1	0	14.56	14.66	14.5						
20	HQAM	1	49	14.43	14.59	14.65						
20	HQAM	1	99	14.43	14.44	14.44	15	0				
20	HQAM	50	0	14.42	14.56	14.59						
20	HQAM	50	24	14.5	14.63	14.51						
20	HQAM	50	50	14.56	14.5	14.59						
20	HQAM	100	0	14.5	14.46	14.59	15	0				
20	HQAM	100	0	14.62	14.63	14.52						
20	HQAM	1	49	14.55	14.6	14.59						
20	HQAM	1	99	14.64	14.6	14.61						
20	HQAM	50	0	14.52	14.63	14.58	15	0				
20	HQAM	50	24	14.59	14.58	14.57						
20	HQAM	50	50	14.67	14.58	14.51						
20	HQAM	100	0	14.52	14.64	14.59						
20	HQAM	100	0	14.61	14.63	14.54	15	0				
20	HQAM	1	49	14.6	14.53	14.61						
20	HQAM	1	99	14.62	14.63	14.59						
20	HQAM	50	24	14.63	14.56	14.57						
20	HQAM	50	50	14.67	14.47	14.49	15	0				
20	HQAM	100	0	14.56	14.63	14.55						
20	HQAM	100	0	20.65	21.06	20.95						
Channel												
Frequency (MHz)				2509.5	25100	25150			Turn-up (dB)	MPE (dB)		
15	QPSK	1	0	14.63	14.63	14.63	15	0				
15	QPSK	1	37	14.5	14.48	14.5						
15	QPSK	1	74	14.44	14.48	14.48						
15	QPSK	36	0	14.44	14.52	14.31						
15	QPSK	36	20	14.63	14.56	14.37	15	0				
15	QPSK	36	36	14.39	14.41	14.39						
15	QPSK	75	0	14.31	14.44	14.3						
15	HQAM	1	0	14.49	14.56	14.4						
15	HQAM	1	37	14.35	14.53	14.57	15	0				
15	HQAM	1	74	14.61	14.46	14.47						
15	HQAM	36	0	14.37	14.46	14.29						
15	HQAM	36	20	14.46	14.5	14.42						
15	HQAM	75	0	14.38	14.38	14.45	15	0				
15	HQAM	1	0	14.48	14.49	14.42						
15	HQAM	1	37	14.61	14.46	14.47						
15	HQAM	1	74	14.52	14.52	14.51						
15	HQAM	36	0	14.39	14.38	14.5	15	0				
15	HQAM	36	20	14.47	14.48	14.48						
15	HQAM	36	36	14.43	14.46	14.35						
15	HQAM	75	0	14.48	14.58	14.52						
15	HQAM	75	0	14.38	14.38	14.45	15	0				
15	HQAM	1	0	14.48	14.49	14.42						
15	HQAM	1	37	14.61	14.46	14.47						
15	HQAM	1	74	14.52	14.52	14.51						
15	HQAM	36	0	14.39	14.38	14.5	15	0				
15	HQAM	36	20	14.47	14.48	14.48						
15	HQAM	36	36	14.43	14.46	14.35						
15	HQAM	75	0	14.48	14.58	14.52						
15	HQAM	75	0	14.38	14.38	14.45	15	0				
15	HQAM	1	0	14.48	14.49	14.42						
15	HQAM	1	37	14.61	14.46	14.47						
15	HQAM	1	74	14.52	14.52	14.51						
15	HQAM	36	0	14.39	14.38	14.5	15	0				
15	HQAM	36	20	14.47	14.48	14.48						
15	HQAM	36	36	14.43	14.46	14.35						
15	HQAM	75	0	14.48	14.58	14.52						
15	HQAM	75	0	14.38	14.38	14.45	15	0				
15	HQAM	1	0	14.48	14.49	14.42						
15	HQAM	1	37	14.61	14.46	14.47						
15	HQAM	1	74	14.52	14.52	14.51						
15	HQAM	36	0	14.39	14.38	14.5	15	0				
15	HQAM	36	20	14.47	14.48	14.48						
15	HQAM	36	36	14.43	14.46	14.35						
15	HQAM	75	0	14.48	14.58	14.52						
15	HQAM	75	0	14.38	14.38	14.45	15	0				
15	HQAM	1	0	14.48	14.49	14.42						
15	HQAM	1	37	14.61	14.46	14.47						
15	HQAM	1	74	14.52	14.52	14.51						
15	HQAM	36	0	14.39	14.38	14.5	15	0				
15	HQAM	36	20	14.47	14.48	14.48						
15	HQAM	36	36	14.43	14.46	14.35						
15	HQAM	75	0	14.48	14.58	14.52						
15	HQAM	75	0	14.38	14.38	14.45	15	0				
15	HQAM	1	0	14.48	14.49	14.42						
15	HQAM	1	37	14.61	14.46	14.47						
15	HQAM	1	74	14.52	14.52	14.51						
15	HQAM	36	0	14.39	14.38	14.5	15	0				
15	HQAM	36	20	14.47	14.48	14.48						
15	HQAM	36	36	14.43	14.46	14.35						
15	HQAM	75	0	14.48	14.58	14.52						
15	HQAM	75	0	14.38	14.38	14.45	15	0				
15	HQAM	1	0	14.48	14.49	14.42						
15	HQAM	1	37	14.61	14.46	14.47						
15	HQAM	1	74	14.52	14.52	14.51						
15	HQAM	36	0	14.39	14.38	14.5	15	0				
15	HQAM	36	20	14.47	14.48	14.48						
15	HQAM	36	36	14.43	14.46	14.35						
15	HQAM	75	0	14.48	14.58	14.52						
15	HQAM	75	0	14.38	14.38	14.45	15	0				
15	HQAM	1	0	14.48	14.49	14.42						
15	HQAM	1	37	14.61	14.46	14.47						
15	HQAM	1	74	14.52	14.52	14.51						
15	HQAM	36	0	14.39	14.38	14.5	15	0				
15	HQAM	36	20	14.47	14.48	14.48						
15	HQAM	36	36	14.43	14.46	14.35						
15	HQAM	75	0	14.48	14.58	14.52						
15	HQAM	75	0	14.38	14.38	14.45	15	0				
15	HQAM	1	0	14.48	14.49	14.42						
15	HQAM	1	37	14.61	14.46	14.47						
15	HQAM	1	74	14.52	14.52	14.51						
15	HQAM	36	0	14.39	14.38	14.5	15	0				
15	HQAM	36	20	14.47	14.48	14.48						
15	HQAM	36	36	14.43	14.46	14.35						
15	HQAM	75	0	14.48	14.58	14.52						
15	HQAM	75	0	14.38	14.38	14.45	15	0				
15	HQAM	1	0	14.48	14.49	14.42						
15	HQAM	1	37	14.61	14.46	14.47						
15	HQAM	1	74	14.52	14.52	14.51						
15	HQAM	36	0	14.39	14.38	14.5	15	0				
15	HQAM	36	20	14.47	14.48	14.48						
15	HQAM	36	36	14.43	14.46	14.35						
15	HQAM	75	0	14.48	14.58	14.52						
15	HQAM	75	0	14.38	14.38	14.45	15	0				
15	HQAM	1	0	14.48	14.49	14.42						
15	HQAM	1	37	14.61	14.46	14.47						
15	HQAM	1	74	14.52	14.52	14.51						
15	HQAM	36	0	14.39	14.38	14.5	15	0				
15	HQAM	36	20	14.47	14.48	14.48						
15	HQAM	36	36	14.43	14.46	14.35						
15	HQAM	75	0	14.48	14.58	14.52						
15	HQAM	75	0	14.38	14.38	14.45	15	0				
15	HQAM	1	0	14.48	14.49	14.42						
15	HQAM	1	37	14.61	14.46	14.47						
15	HQAM	1	74	14.52	14.52	14.51						
15	HQAM	36	0	14.39	14.38	14.5	15	0				
15	HQAM	36	20	14.47	14.48	14.48						
15	HQAM	36	36	14.43	14.46	14.35						
15	HQAM	75	0	14.48	14.58	14.52						
15	HQAM	75	0	14.38	14.38	14.45	15	0				
15	HQAM	1	0	14.48	14.49	14.42						
15	HQAM	1	37	14.61	14.46	14.47						
15	HQAM	1	74	14.52	14.52	14.51						
15	HQAM	36	0	14.39	14.38	14.5	15	0				
15	HQAM	36	20	14.47	14.48	14.48						
15	HQAM	36	36	14.43	14.46	14.35						
15	HQAM	75	0	14.48	14.58	14.52						
15	HQAM	75	0	14.38	14.38	14.45	15	0				
15	HQAM	1	0	14.48	14.49	14.42						
15	HQAM	1	37	14.61	14.46	14.47						
15	HQAM	1	74	14.52	14.52	14.51						
15	HQAM	36	0	14.39	14.38	14.5	15	0				
15	HQAM	36	20	14.47	14.48	14.48						
15	HQAM	36	36	14.43	14.46	14.35						
15	HQAM	75	0	14.48	14.58	14.52						
15	HQAM	75	0	14.38	14.38	14.45	15	0				
15	HQAM	1	0	14.48	14.49	14.42						
15	HQAM	1	37	14.61	14.46	14.47						
15	HQAM	1	74	14.52	14.52	14.51						
15	HQAM	36	0	14.39	14.38	14.5	15	0				
15	HQAM	36	20	14.47	14.48	14.48						
15	HQAM	36	36	14.43	14.46	14.35						
15	HQAM	75	0	14.48	14.58	14.52						
15	HQAM	75	0	14.38	14.38	14.45	15	0				
15	HQAM	1	0	14.48	14.49	14.42						
15	HQAM	1	37	14.61	14.46	14.47						
15	HQAM	1	74	14.52	14.52	14.51						
15	HQAM	36	0	14.39	14.38	14.5	15	0				
15	HQAM	36	20	14.47	14.48	14.48						
15	HQAM	36	36	14.43	14.46	14.35						
15												

Band 2 Ant1 DS13 standalone											
SR BAND	Modulation	RB Size	RB Offset	Power Lvl Ch./Freq.	Power Max Ch./Freq.	Power Rpt Ch./Freq.	Turn-on time (s)	APR3 (dB)			
Channel											
Frequency (MHz)				1860	1860	1860					
20	QPSK	1	0	20.47	20.7	20.54	21.5	0			
20	QPSK	1	49	20.43	20.56	20.49					
20	QPSK	1	99	20.43	20.48	20.48					
20	QPSK	50	0	20.51	20.69	20.67					
20	QPSK	50	24	20.57	20.62	20.61	21.5	0			
20	QPSK	50	50	20.56	20.64	20.63					
20	QPSK	100	0	20.56	20.65	20.61					
20	16QAM	1	0	20.48	20.45	20.27	21.5	0			
20	16QAM	1	49	20.49	20.5	20.53					
20	16QAM	1	99	20.44	20.61	20.55					
20	16QAM	50	0	20.31	20.3	20.62					
20	16QAM	50	24	20.51	20.56	20.49	21.5	0			
20	16QAM	50	50	20.56	20.55	20.55					
20	16QAM	100	0	20.39	20.39	20.67					
20	64QAM	1	0	20.42	20.44	20.59	21.5	0			
20	64QAM	1	49	20.47	20.53	20.59					
20	64QAM	1	99	20.22	20.44	20.48					
20	64QAM	50	0	20.41	20.31	20.58					
20	64QAM	50	24	20.54	20.53	20.54	21.5	0			
20	64QAM	50	50	20.4	20.38	20.53					
20	64QAM	100	0	20.32	20.40	20.49					
20	256QAM	1	0	18.16	18.16	18.16					
20	256QAM	1	49	18.16	18.28	18.28	19	2.5			
20	256QAM	1	99	18.16	18.33	18.28					
20	256QAM	50	0	18.16	18.27	18.24					
20	256QAM	50	24	18.14	18.17	18.15	19	2.5			
20	256QAM	50	50	18.08	18.2	18.21					
20	256QAM	100	0	18.07	18.18	18.14					
Channel											
Frequency (MHz)				1861.5	1861.5	1861.5	Turn-on time (s)	APR3 (dB)			
15	QPSK	1	0	20.41	20.42	20.43	21.5	0			
15	QPSK	1	50	20.37	20.36	20.34					
15	QPSK	1	100	20.34	20.37	20.35					
15	QPSK	50	0	20.38	20.3	20.65					
15	QPSK	50	24	20.41	20.3	20.44	21.5	0			
15	QPSK	50	50	20.28	20.29	20.47					
15	16QAM	1	0	20.3	20.35	20.24	21.5	0			
15	16QAM	1	49	20.36	20.37	20.33					
15	16QAM	1	99	20.44	20.41	20.42	21.5	0			
15	16QAM	50	0	20.42	20.28	20.35					
15	16QAM	50	24	20.38	20.37	20.42	21.5	0			
15	16QAM	50	50	20.16	20.17	20.42					
15	16QAM	100	0	20.35	20.36	20.52					
15	64QAM	1	0	20.21	20.4	20.38	21.5	0			
15	64QAM	1	50	20.26	20.47	20.37					
15	64QAM	1	100	20.19	20.37	20.28					
15	64QAM	50	0	20.25	20.13	20.4	21.5	0			
15	64QAM	50	25	20.23	20.24	20.53					
15	64QAM	50	50	20.28	20.19	20.33	21.5	0			
15	64QAM	100	0	20.22	20.32	20.31					
15	256QAM	1	0	18.02	18.07	18.01					
15	256QAM	1	50	18.15	18.24	18.25	19	2.5			
15	256QAM	1	100	18.16	18.24	18.22					
15	256QAM	50	0	18.14	18.11	18.15					
15	256QAM	50	25	18.14	18.11	18.15	19	2.5			
15	256QAM	50	50	18.08	18.2	18.14					
15	256QAM	100	0	18.08	18.08	18.04					
Channel											
Frequency (MHz)				1860	1860	1860	Turn-on time (s)	APR3 (dB)			
10	QPSK	1	0	20.4	20.45	20.37	21.5	0			
10	QPSK	1	25	20.36	20.44	20.29					
10	QPSK	1	49	20.31	20.37	20.48					
10	QPSK	1	99	20.31	20.37	20.48					
10	QPSK	50	0	20.38	20.68	20.55					
10	QPSK	50	12	20.47	20.33	20.53	21.5	0			
10	QPSK	50	25	20.33	20.28	20.28					
10	QPSK	100	0	20.25	20.44	20.22					
10	16QAM	1	0	20.4	20.27	20.15	21.5	0			
10	16QAM	1	25	20.41	20.41	20.41					
10	16QAM	1	49	20.3	20.47	20.35					
10	16QAM	25	0	20.23	20.36	20.36	21.5	0			
10	16QAM	25	12	20.31	20.37	20.37					
10	16QAM	25	25	20.24	20.24	20.54					
10	16QAM	50	0	20.35	20.24	20.55					
10	64QAM	1	0	20.23	20.44	20.46	21.5	0			
10	64QAM	1	25	20.23	20.38	20.27					
10	64QAM	1	49	20.04	20.38	20.25					
10	64QAM	25	0	20.28	20.17	20.43	21.5	0			
10	64QAM	25	12	20.23	20.28	20.27					
10	64QAM	25	25	20.22	20.29	20.38	21.5	0			
10	64QAM	50	0	20.2	20.41	20.4					
10	256QAM	1	0	18.21	18.26	18.26					
10	256QAM	1	25	18.08	18.25	18.24	19	2.5			
10	256QAM	1	49	18.08	18.31	18.2					
10	256QAM	50	0	18.16	18.25	18.26					
10	256QAM	50	12	18.08	18.07	18.05	19	2.5			
10	256QAM	50	25	18.02	18.2	18.21					
10	256QAM	100	0	18.02	18.14	18.12					
Channel											
Frequency (MHz)				1861.5	1861.5	1861.5	Turn-on time (s)	APR3 (dB)			
5	QPSK	1	0	20.28	20.4	20.48	21.5	0			
5	QPSK	1	12	20.43	20.41	20.3					
5	QPSK	1	24	20.38	20.33	20.35					
5	QPSK	12	0	20.48	20.28	20.25	21.5	0			
5	QPSK	12	7	20.41	20.37	20.4					
5	QPSK	12	13	20.23	20.28	20.47					
5	QPSK	25	0	20.3	20.42	20.28	21.5	0			
5	16QAM	1	0	20.42	20.27	20.18	21.5	0			
5	16QAM	1	12	20.47	20.33	20.4					
5	16QAM	1	24	20.43	20.42	20.4					
5	16QAM	12	0	20.28	20.18	20.48	21.5	0			
5	16QAM	12	7	20.47	20.4	20.4					
5	16QAM	12	13	20.2	20.31	20.25					
5	16QAM	25	0	20.28	20.25	20.58	21.5	0			
5	64QAM	1	0	20.38	20.38	20.51	21.5	0			
5	64QAM	1	12	20.24	20.33	20.37					
5	64QAM	1	24	20.19	20.38	20.28					
5	64QAM	12	0	20.38	20.19	20.38	21.5	0			
5	64QAM	12	7	20.27	20.48	20.45					
5	64QAM	12	13	20.3	20.33	20.51					
5	64QAM	25	0	20.17	20.4	20.38	21.5	0			
5	256QAM	1	0	18.17	18.35	18.12					
5	256QAM	1	12	18.1	18.21	18.2	19	2.5			
5	256QAM	1	24	18.13	18.24	18.18					
5	256QAM	12	0	18.16	18.26	18.18					
5	256QAM	12	7	18.15	18.15	18.15	19	2.5			
5	256QAM	12	13	18.11	18.1	18.1					
5	256QAM	25	0	17.97	18.08	18.13					
5	256QAM	25	12	18.02	18.07	18.17					
5	256QAM	25	24	18.07	18.07	18.17					
Channel											
Frequency (MHz)				1862	1862	1862	Turn-on time (s)	APR3 (dB)			
1.4	QPSK	1	0	20.58	20.42	20.39	21.5	0			
1.4	QPSK	1	3	20.43	20.53	20.48					
1.4	QPSK	1	9	20.29	20.43	20.38					
1.4	QPSK	1	15	20.27	20.43	20.38	21.5	0			
1.4	QPSK	3	0	20.5	20.39	20.46					
1.4	QPSK	3	3	20.16	20.38	20.48					
1.4	QPSK	3	9	20.29	20.39	20.42	21.5	0			
1.4	QPSK	3	15	20.27	20.39	20.42					
1.4	16QAM	1	0	20.35	20.39	20.23					
1.4	16QAM	1	3	20.43	20.29	20.43	21.5	0			
1.4	16QAM	1	9	20.42	20.48	20.38					
1.4	16QAM	1	15	20.28	20.48	20.38					
1.4	16QAM	3	0	20.3	20.45	20.41					
1.4	16QAM	3	3	20.16	20.31	20.41	21.5	0			
1.4	16QAM	3	9	20.29	20.39	20.42					
1.4	16QAM	3	15	20.28	20.39	20.42					
1.4	64QAM	1	0	20.36	20.42	20.48	21.5	0			
1.4	64QAM	1	3	20.29	20.38	20.38					
1.4	64QAM	1	9	20.31	20.37	20.41					
1.4	64QAM	1	15	20.32	20.38	20.41	21.5	0			
1.4	64QAM	3	0	20.38	20.18	20.48					
1.4	64QAM	3	3	20.18	20.42	20.39					
1.4	64QAM	3	9	20.2	20.31	20.39					
1.4	64QAM	3	15	20.21	20.31	20.4	21.5	0			
1.4	256QAM	1	0	18.16	18.3	18.27					
1.4	256QAM	1	3	18.12	18.23	18.26					
1.4	256QAM	1	9	18.24	18.17	18.17	19	2.5			
1.4	256QAM	1	15	18.14	18.17	18.14					
1.4	256QAM	3	0	18.02	18.18	18.15					
1.4	256QAM	3	3	18.12	18.18	18.18					
1.4	256QAM	3	9	18.06	18.12	18.15	19	2.5			

Band 7 Ant1 DS13 standalone																
RF (MHz)	Modulation	PRB Size	PRB Offset	Power Line (dBm)	Power MAGN. (dBm)	Power High (dBm)	Time-to- init (ms)	MTN (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	20.10	20.10	20.17	20.0	0								
20	QPSK	1	40	20.17	20.17	20.23										
20	QPSK	1	80	20.24	20.21	20.26										
20	QPSK	50	0	20.22	20.23	20.27	20.0	0								
20	QPSK	50	24	20.21	20.20	20.20										
20	QPSK	50	48	20.1	20.20	20.22										
20	QPSK	100	0	20.10	20.20	20.04	20.0	0								
20	QPSK	100	1	20.23	20.27	20.26										
20	QPSK	100	24	20.17	20.22	20.20										
20	QPSK	1	80	20.06	20.23	20.1	20.0	0								
20	QPSK	1	160	20.1	20.2	20.23										
20	QPSK	50	0	20.1	20.20	20.24										
20	QPSK	50	24	20.1	20.20	20.24	20.0	0								
20	QPSK	50	48	20.04	20.20	20.24										
20	QPSK	100	0	20.12	20.24	20.23										
20	QPSK	1	40	20.2	20.14	20.28	20.0	0								
20	QPSK	1	80	20.17	20.17	20.23										
20	QPSK	50	0	20.12	20.22	20.21										
20	QPSK	50	24	20.23	20.20	20.20	20.0	0								
20	QPSK	50	48	20.16	20.20	20.21										
20	QPSK	100	0	20.17	20.22	20.20										
20	QPSK	1	40	19.87	19.8	19.77	20	0.9								
20	QPSK	1	80	19.87	19.8	19.77										
20	QPSK	50	0	19.77	19.8	19.80										
20	QPSK	50	24	19.82	19.71	19.78	20	0.9								
20	QPSK	50	48	19.74	19.74	19.85										
20	QPSK	100	0	19.87	19.73	19.80										
Channel																
Frequency (MHz)																
19	QPSK	1	0	20.13	20.21	20.08	20.0	0								
19	QPSK	1	40	20.17	20.14	20.15										
19	QPSK	1	74	19.91	20.14	20.15										
19	QPSK	36	0	20.07	20.2	20.18	20.0	0								
19	QPSK	36	20	20.07	20.13	20.18										
19	QPSK	36	40	19.95	20.14	20.08										
19	QPSK	75	0	19.96	20.13	19.86	20.0	0								
19	QPSK	1	0	20.16	20.16	20.16										
19	QPSK	1	74	19.96	20.09	20.12										
19	QPSK	36	0	20.14	20.14	20.08	20.0	0								
19	QPSK	36	20	20.06	20.11	20.14										
19	QPSK	36	40	19.9	20.16	20.13										
19	QPSK	75	0	20.06	20.02	20.03	20.0	0								
19	QPSK	1	0	20.06	20.17											
19	QPSK	1	74	19.92	20.21											
19	QPSK	1	74	19.97	20.05	20.04	20.0	0								
19	QPSK	36	0	20.09	20	20										
19	QPSK	36	20	20.11	20.09	20.09										
19	QPSK	36	40	20.11	20.09	20.06	20.0	0								
19	QPSK	75	0	19.96	20.08	20.03										
19	QPSK	1	0	19.96	19.77	19.80	20	0.9								
19	QPSK	1	74	19.96	19.92	19.72										
19	QPSK	50	0	19.71	19.80	19.81										
19	QPSK	50	24	19.46	19.39	19.40	20	0.9								
19	QPSK	50	48	19.36	19.36	19.4										
19	QPSK	75	0	19.53	19.61	19.54										
Channel																
Frequency (MHz)																
19	QPSK	1	0	20.06	20.23	20.03	20.0	0								
19	QPSK	1	40	20.1	20.17	20.11										
19	QPSK	20	0	20.14	20.20	20.2										
19	QPSK	20	12	20.08	20.21	20.20	20.0	0								
19	QPSK	20	24	20.07	20.13	20.09										
19	QPSK	50	0	19.95	20.24	19.86										
19	QPSK	1	0	20.1	20.15	20.22	20.0	0								
19	QPSK	1	40	20.17	20.20	20.21										
19	QPSK	1	80	20	20.07	20.07										
19	QPSK	1	40	20	20.07	20.14	20.0	0								
19	QPSK	25	0	20.2	20.13	20.07										
19	QPSK	25	24	20.16	20.09	20.02										
19	QPSK	25	48	20.06	20.12	20.18	20.0	0								
19	QPSK	50	0	20.08	20.07	20.12										
19	QPSK	50	24	20.06	20.14	20.14										
19	QPSK	1	20	20.15	20.07	20.13	20.0	0								
19	QPSK	1	40	19.9	20.07	20										
19	QPSK	25	0	20.15	19.96	19.95										
19	QPSK	25	24	20.05	20.11	20.08	20.0	0								
19	QPSK	25	48	20.01	20.17	20.06										
19	QPSK	50	0	19.98	20.11	20.05										
19	QPSK	1	0	19.96	19.77	19.80	20	0.9								
19	QPSK	1	20	19.97	19.44	19.42										
19	QPSK	1	40	19.5	19.44	19.40										
19	QPSK	25	0	19.47	19.36	19.35	20	0.9								
19	QPSK	25	24	19.36	19.36	19.40										
19	QPSK	50	0	19.53	19.59	19.42										
Channel																
Frequency (MHz)																
5	QPSK	1	0	20.12	20.20	20.07	20.0	0								
5	QPSK	1	40	20.1	20.12	20.17										
5	QPSK	1	24	19.97	20.08	20.18										
5	QPSK	12	0	20.16	20.16	20.18	20.0	0								
5	QPSK	12	7	20.13	20.17	20.20										
5	QPSK	12	13	20.08	20.21	20.13										
5	QPSK	25	0	19.91	20.23	19.86	20.0	0								
5	QPSK	25	7	20.15	20.14	20.17										
5	QPSK	25	13	20.01	20.09	20.02										
5	QPSK	1	24	20.05	20.14	20.17	20.0	0								
5	QPSK	1	40	20.05	20.10	20.08										
5	QPSK	12	0	20.14	20.19	20.05										
5	QPSK	12	7	20.08	20.2	20.11	20.0	0								
5	QPSK	12	13	19.94	20.12	20.13										
5	QPSK	25	0	20	20.07	20.13	20.0	0								
5	QPSK	25	7	20.06	20.24	20.20										

Band 2 Ant1 DSI3 simultaneous												
501 BAND	Modulation	RB Size	RB Offset	Power (W)	Power (dBm)	Power (dBm)	Power (dBm)	Turn-on time (ms)	APRS (dB)			
Channel												
Frequency (MHz)												
20	QPSK	1	0	17.46	17.61	17.47						
20	QPSK	1	49	17.34	17.38	17.56			18.5	0		
20	QPSK	1	99	17.23	17.41	17.43						
20	QPSK	50	0	17.3	17.52	17.5						
20	QPSK	50	24	17.33	17.34	17.51				18.5	0	
20	QPSK	50	50	17.27	17.34	17.52						
20	QPSK	100	0	17.23	17.44	17.18						
20	16QAM	1	0	17.35	17.21	17.49			18.5	0		
20	16QAM	1	49	17.47	17.28	17.28						
20	16QAM	1	99	17.41	17.28	17.28						
20	16QAM	50	0	17.41	17.41	17.3						
20	16QAM	50	24	17.39	17.56	17.46			18.5	0		
20	16QAM	50	50	17.45	17.43	17.43						
20	16QAM	100	0	17.36	17.36	17.45						
20	16QAM	1	0	17.46	17.46	17.4			18.5	0		
20	16QAM	1	49	17.44	17.33	17.3						
20	16QAM	1	99	17.38	17.39	17.38						
20	16QAM	50	0	17.36	17.29	17.45						
20	16QAM	50	24	17.37	17.49	17.39			18.5	0		
20	16QAM	50	50	17.28	17.43	17.38						
20	16QAM	100	0	17.36	17.46	17.32						
20	256QAM	1	0	17.55	17.43	17.46			18.5	0		
20	256QAM	1	49	17.21	17.3	17.31						
20	256QAM	1	99	17.46	17.43	17.38						
20	256QAM	50	0	17.34	17.36	17.34						
20	256QAM	50	24	17.42	17.39	17.32			18.5	0		
20	256QAM	50	50	17.23	17.44	17.3						
20	256QAM	100	0	17.33	17.33	17.36						
Channel												
Frequency (MHz)												
15	QPSK	1	0	17.18	17.45	17.28						
15	QPSK	1	37	17.18	17.24	17.3			18.5	0		
15	QPSK	1	74	17.08	17.28	17.31						
15	QPSK	36	0	17.06	17.26	17.28						
15	QPSK	36	20	17.13	17.16	17.32				18.5	0	
15	QPSK	36	36	17.08	17.16	17.47						
15	QPSK	75	0	17.09	17.15	16.91						
15	16QAM	1	0	17.22	16.97	17.18			18.5	0		
15	16QAM	1	37	17.07	17.16	17.28						
15	16QAM	1	74	17.12	17.11	17.27						
15	16QAM	36	0	17.14	17.18	17.02						
15	16QAM	36	20	17.27	17.16	17.19			18.5	0		
15	16QAM	36	36	17.07	17.16	17.31						
15	16QAM	75	0	17.14	17.21	17.08						
15	16QAM	1	0	17.3	17.27	17.19			18.5	0		
15	16QAM	1	37	17.16	16.94	17.08						
15	16QAM	1	74	16.96	16.94	17.12						
15	16QAM	36	0	17.03	17.17	17.18			18.5	0		
15	16QAM	36	20	17.06	17.13	17.21						
15	16QAM	36	36	17.14	17.13	17.22						
15	16QAM	75	0	17.08	17.41	17.08						
15	256QAM	1	0	17.35	17.27	17.28			18.5	0		
15	256QAM	1	37	17	17.07	17.28						
15	256QAM	1	74	17.23	17.14	17.24						
15	256QAM	36	0	17.04	17.1	17.19			18.5	0		
15	256QAM	36	20	17.16	17.11	17.08						
15	256QAM	36	36	16.96	17.31	17.19						
15	256QAM	75	0	17.13	17.15	17.1						
Channel												
Frequency (MHz)												
10	QPSK	1	0	17.15	17.35	17.27				18.5	0	
10	QPSK	1	25	17.17	17.17	17.14						
10	QPSK	1	49	17.06	17.26	17.12						
10	QPSK	25	0	17	17.26	17.2						
10	QPSK	25	12	17.07	17.11	17.13			18.5	0		
10	QPSK	25	25	17.14	17.36	17.08						
10	QPSK	50	0	17.07	17.22	16.97						
10	16QAM	1	0	17.14	17.02	17.28			18.5	0		
10	16QAM	1	25	17.21	17.16	17.05						
10	16QAM	1	49	17.16	17.25	17.28						
10	16QAM	25	0	17.22	17.18	17.06						
10	16QAM	25	12	17.06	17.24	17.14			18.5	0		
10	16QAM	25	25	17.25	17.17	17.25						
10	16QAM	50	0	17.14	17.18	17.24						
10	16QAM	1	0	17.27	17.25	17.21			18.5	0		
10	16QAM	1	25	17.23	17.15	17.08						
10	16QAM	1	49	17.02	16.98	17.27						
10	16QAM	25	0	17.19	17.16	17.19			18.5	0		
10	16QAM	25	12	17.06	17.28	17.01						
10	16QAM	25	25	17.11	17.31	17.18						
10	16QAM	50	0	17.1	17.4	17.14						
10	256QAM	1	0	17.34	17.24	17.21			18.5	0		
10	256QAM	1	25	17.06	17.11	17.25						
10	256QAM	1	49	17.17	17.27	17.45						
10	256QAM	25	0	17.16	17.22	17.2			18.5	0		
10	256QAM	25	12	17.16	17.36	17.13						
10	256QAM	25	25	17.01	17.2	17.18						
10	256QAM	50	0	17.13	17.13	17.08						
Channel												
Frequency (MHz)												
5	QPSK	1	0	17.32	17.42	17.17				18.5	0	
5	QPSK	1	12	17.32	17.34	17.36						
5	QPSK	1	24	16.97	17.32	17.3						
5	QPSK	12	0	17.06	17.31	17.26						
5	QPSK	12	7	17.13	17.16	17.21			18.5	0		
5	QPSK	12	13	16.98	17.28	17.01						
5	QPSK	24	0	16.96	17.21	16.98						
5	16QAM	1	0	17.07	16.95	17.3			18.5	0		
5	16QAM	1	12	17.23	17.2	17.08						
5	16QAM	1	24	17.17	17.13	17.37						
5	16QAM	12	0	17.28	17.21	17.08			18.5	0		
5	16QAM	12	7	17.08	17.28	17.11						
5	16QAM	12	13	17.11	17.15	17.22						
5	16QAM	25	0	17.05	17.23	17.13			18.5	0		
5	256QAM	1	0	17.37	17.35	17.17						
5	256QAM	1	12	17.17	17.28	17.16						
5	256QAM	1	24	17.31	17.14	17.35						
5	256QAM	12	0	17.17	16.99	17.21			18.5	0		
5	256QAM	12	7	17.17	17.36	17.21						
5	256QAM	12	13	17.06	17.13	17.08						
5	256QAM	25	0	17.12	17.07	17.16						
Channel												
Frequency (MHz)												
3	QPSK	1	0	17.19	17.39	17.15				18.5	0	
3	QPSK	1	8	17.06	17.31	17.28						
3	QPSK	1	14	17.02	17.29	17.18						
3	QPSK	8	0	17.02	17.24	17.2				18.5	0	
3	QPSK	8	4	17.11	17.13	17.28						
3	QPSK	8	7	17.06	17.23	16.97						
3	16QAM	1	0	16.96	17.01	17.03			18.5	0		
3	16QAM	1	8	17.13	17.02	17.13						
3	16QAM	1	14	17.17	17.2	17.36						
3	16QAM	8	0	17.17	17.29	17.06				18.5	0	
3	16QAM	8	4	17.11	17.26	17.21						
3	16QAM	8	7	17.19	17.2	17.35						
3	16QAM	1	0	17.27	17.18	17.18			18.5	0		
3	16QAM	1	8	17.31	17.09	17.11						
3	16QAM	1	14	17.31	17.26	17.31						
3	16QAM	8	0	17.18	17.05	17.2						
3	16QAM	8	4	17.16	17.23	17.21			18.5	0		
3	16QAM	8	7	17.21	17.26	17.07						
3	16QAM	1	0	17.13	17.27	17.1						
3	256QAM	1	0	17.43	17.38	17.17						
3	256QAM	1	8	17	17.16	17.35						
3	256QAM	1	14	17.26	17.14	17.34						
3	256QAM	8	0	17.16	17.1	17.14						
3	256QAM	8	4	17.16	17.07	17.16			18.5	0		
3	256QAM	8	7	17.17	17.13	17.27						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	17.17	17.27	17.28						
1.4	QPSK	1	3	17.11	17.2	17.36						

[illegible][illegible]

Band 13 Ant1 DS13 simultaneous									
RF (MHz)	Modulation	PRB Size	Sub-Carrier	Power Level (dBm)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)	1-tone mod. (dBm)	Spurs (dBm)
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.33					
10	QPSK	1	20	24.24				25	0
10	QPSK	1	40	24.15					
10	QPSK	25	5	23.77					
10	QPSK	25	12	23.71					
10	QPSK	25	20	23.71				25	0
10	QPSK	25	28	23.74					
10	16QAM	1	0	23.72					
10	16QAM	1	20	23.87				25	0
10	16QAM	1	40	23.81					
10	16QAM	25	5	23.99					
10	16QAM	25	12	23.92					
10	16QAM	25	20	23.91				24	1
10	16QAM	25	28	23.93					
10	64QAM	1	0	23.83					
10	64QAM	1	20	23.88				24	0
10	64QAM	1	40	23.77					
10	64QAM	25	5	23.38					
10	64QAM	25	12	23.31					
10	64QAM	25	20	23.31				24	1
10	64QAM	25	28	23.33					
10	256QAM	1	0	19.27					
10	256QAM	1	20	19.09				21	4
10	256QAM	1	40	19.11					
10	256QAM	25	5	19.32					
10	256QAM	25	12	19.37				21	4
10	256QAM	25	20	19.37					
10	256QAM	25	28	19.37					
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.14	24.35	24.17			
5	QPSK	1	12	24.3	24.36	24.19		25	0
5	QPSK	1	24	24.19	24.14	24.19			
5	QPSK	12	5	24.12	24.12	24.12			
5	QPSK	12	7	24.22	24.2	24.18		25	0
5	QPSK	12	13	24.26	24.23	24.23			
5	QPSK	12	19	24.24	24.19	24.19			
5	16QAM	1	0	24.29	24.26	24.26			
5	16QAM	1	12	24.35	24.29	24.31		25	0
5	16QAM	1	24	24.26	24.26	24.26			
5	16QAM	12	5	24.28	24.28	24.28			
5	16QAM	12	7	22.17	22.41	22.41		24	1
5	16QAM	12	13	22.27	22.43	22.22			
5	16QAM	12	19	22.36	22.41	22.36			
5	64QAM	1	0	23.75	22.63	22.73			
5	64QAM	1	12	22.82	22.72	22.86		24	1
5	64QAM	1	24	22.81	22.69	22.74			
5	64QAM	12	5	22.94	22.57	22.48			
5	64QAM	12	7	22.99	22.61	22.62		24	1
5	64QAM	12	13	22.83	22.59	22.68			
5	64QAM	12	19	22.92	22.56	22.51			
5	256QAM	1	0	19.08	19.36	19.14			
5	256QAM	1	12	19.11	19.12	19.08		21	4
5	256QAM	1	24	19.06	19.15	19.15			
5	256QAM	12	5	19.15	19.15	19.12			
5	256QAM	12	7	19.07	19.16	19.21			
5	256QAM	12	13	19.18	19.22	19.11		21	4
5	256QAM	12	19	19.26	19.15	19.11			

[illegible]

Band 48 Ant 2 DSI3 standalone										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	17.02	17.05	17.23	17.12	18.5	0	
20	QPSK	1	49	17.02	17.09	17.04	17.03			
20	QPSK	1	99	17.06	17.15	17.17	17.04			
20	QPSK	50	0	17.08	17.14	17.2	17.11			
20	QPSK	50	24	17	17.1	17.16	17.02	18.5	0	
20	QPSK	50	50	16.96	16.99	17.01	16.97			
20	QPSK	100	0	16.98	17.11	17.16	17.05			
20	16QAM	1	0	16.94	17.13	17.15	17.06			
20	16QAM	1	49	16.98	17.07	17.05	17.05	18.5	0	
20	16QAM	1	99	17.01	17.11	17.04	17.12			
20	16QAM	50	0	17.06	17.11	17.15	17.01			
20	16QAM	50	24	17.05	17.02	17.1	16.94			
20	16QAM	50	50	16.93	17.05	17.02	16.96	18.5	0	
20	16QAM	100	0	17.02	17.08	17.07	17.05			
20	64QAM	1	0	17.07	17.13	17.13	17.1			
20	64QAM	1	49	17.08	17.13	17.03	16.98			
20	64QAM	1	99	17.03	17.14	17.06	17.13	18.5	0	
20	64QAM	50	0	17.03	17.15	17.06	17.13			
20	64QAM	50	24	16.98	17.11	17.14	17.03			
20	64QAM	50	50	16.97	17.03	17.12	17.04			
20	64QAM	100	0	17.03	17.06	17.11	17.09	18.5	0	
20	256QAM	1	0	16.98	17.07	17.12	17.07			
20	256QAM	1	49	16.99	17.1	17.07	17.06			
20	256QAM	1	99	16.96	17.14	17.08	17.12			
20	256QAM	50	0	17	17.11	17.08	17.05	18.5	0	
20	256QAM	50	24	17.03	17.13	17.09	16.99			
20	256QAM	50	50	16.99	17.06	17.11	17.05			
20	256QAM	100	0	16.9	17.08	17.1	17.11			
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.5	3608	3642	3692.5			
15	QPSK	1	0	16.95	16.9	17.09	16.99	18.5	0	
15	QPSK	1	37	16.89	16.99	16.9	16.96			
15	QPSK	1	74	16.96	17.03	17.07	16.98			
15	QPSK	36	0	17.02	17.02	17.07	17.05			
15	QPSK	36	20	16.93	17.03	17.08	16.93	18.5	0	
15	QPSK	36	39	16.82	16.89	16.87	16.83			
15	QPSK	75	0	16.85	17.02	17.1	16.92			
15	16QAM	1	0	16.83	17.02	17.01	16.96			
15	16QAM	1	37	16.92	16.97	16.93	16.91	18.5	0	
15	16QAM	1	74	16.92	17.02	16.96	17.04			
15	16QAM	36	0	16.97	17.06	17.09	16.93			
15	16QAM	36	20	16.96	16.92	17.02	16.79			
15	16QAM	36	39	16.85	16.9	16.9	16.88	18.5	0	
15	16QAM	75	0	16.91	16.98	16.99	16.93			
15	64QAM	1	0	16.93	17.03	17.06	16.95			
15	64QAM	1	37	17.01	17.05	16.93	16.85	18.5	0	
15	64QAM	1	74	16.97	17.09	16.99	17.02			
15	64QAM	36	0	16.89	17.03	16.96	17.05			
15	64QAM	36	20	16.91	17	17.03	16.89	18.5	0	
15	64QAM	36	39	16.89	16.97	16.99	16.91			
15	64QAM	75	0	16.88	16.96	16.99	17			
15	256QAM	1	0	16.83	16.98	17.03	16.97	18.5	0	
15	256QAM	1	37	16.87	17.02	16.93	16.96			
15	256QAM	1	74	16.88	17.08	16.96	16.98			
15	256QAM	36	0	16.91	17.05	16.96	16.95	18.5	0	
15	256QAM	36	20	16.93	17	16.96	16.93			
15	256QAM	36	39	16.87	17	16.99	16.99			
15	256QAM	75	0	16.79	16.99	17.01	17.04			
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3607.5	3642.5	3695			
10	QPSK	1	0	16.9	16.91	17.09	16.97	18.5	0	
10	QPSK	1	25	16.95	16.95	16.9	16.93			
10	QPSK	1	49	17	17.02	17.04	16.91			
10	QPSK	25	0	16.95	17.06	17.09	17.03			
10	QPSK	25	12	16.91	16.96	17.1	16.88	18.5	0	
10	QPSK	25	25	16.85	16.92	16.91	16.9			
10	QPSK	50	0	16.85	17.05	17.02	16.91			
10	16QAM	1	0	16.86	17.03	17.01	16.98			
10	16QAM	1	25	16.83	17.01	16.93	16.9	18.5	0	
10	16QAM	1	49	16.87	17.05	16.93	17.01			
10	16QAM	25	0	16.94	17.01	17.06	16.9			
10	16QAM	25	12	16.99	16.92	17.03	16.81			
10	16QAM	25	25	16.85	16.91	16.9	16.88	18.5	0	
10	16QAM	50	0	16.88	17.03	16.96	17			
10	64QAM	1	0	16.92	17.06	17.05	17			
10	64QAM	1	25	16.98	17	16.96	16.84	18.5	0	
10	64QAM	1	49	16.92	17.03	16.97	17.08			
10	64QAM	25	0	16.89	17.05	16.93	17.06			
10	64QAM	25	12	16.84	17.05	16.99	16.9	18.5	0	
10	64QAM	25	25	16.91	16.92	16.99	16.89			
10	64QAM	50	0	16.88	16.96	17.02	17.02			
10	256QAM	1	0	16.91	16.92	16.98	16.99	18.5	0	
10	256QAM	1	25	16.91	17.01	17.01	16.92			
10	256QAM	1	49	16.88	16.99	16.97	17			
10	256QAM	25	0	16.93	17	17.01	16.93	18.5	0	
10	256QAM	25	12	16.97	17.03	17.01	16.93			
10	256QAM	25	25	16.86	16.97	17.02	16.92			
10	256QAM	50	0	16.82	17	16.97	16.99			
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	16.88	16.98	17.18	16.98	18.5	0	
5	QPSK	1	12	16.96	17.02	16.95	16.88			
5	QPSK	1	24	16.92	17.01	17.04	16.91			
5	QPSK	12	0	17.01	17.07	17.09	17.01			
5	QPSK	12	7	16.94	16.97	17.06	16.88	18.5	0	
5	QPSK	12	13	16.83	16.85	16.92	16.91			
5	QPSK	25	0	16.92	17.02	17.06	16.91			
5	16QAM	1	0	16.84	17.02	17.09	16.95			
5	16QAM	1	12	16.88	16.93	16.98	16.9	18.5	0	
5	16QAM	1	24	16.95	16.97	16.95	17.04			
5	16QAM	12	0	16.92	17	17	16.93			
5	16QAM	12	7	16.9	16.94	17.04	16.89	18.5	0	
5	16QAM	12	13	16.85	16.9	16.88	16.86			
5	16QAM	25	0	16.91	16.94	17	16.9			
5	64QAM	1	0	16.98	17.02	17	16.96	18.5	0	
5	64QAM	1	12	16.96	17.08	16.92	16.88			
5	64QAM	1	24	16.92	17.03	16.97	17.05			
5	64QAM	12	0	16.92	17.01	16.93	17.04			
5	64QAM	12	7	16.88	16.96	17.05	16.97	18.5	0	
5	64QAM	12	13	16.9	16.95	17	16.91			
5	64QAM	25	0	16.94	16.97	17.01	17			
5	256QAM	1	0	16.91	16.92	17.01	16.95	18.5	0	
5	256QAM	1	12	16.89	16.98	17.02	16.95			
5	256QAM	1	24	16.89	17.05	16.98	17.01	18.5	0	
5	256QAM	12	0	16.86	17.03	17.03	16.91			
5	256QAM	12	7	16.95	17.03	17.02	16.85			
5	256QAM	12	13	16.87	16.92	16.96	16.97			
5	256QAM	25	0	16.8	16.99	17	17			

Band 48 Ant 2 DSI3 simultaneous										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	16.12	16.1	16.28	16.18	17.2	0	
20	QPSK	1	49	16.1	16.14	16.08	16.12			
20	QPSK	1	99	16.08	16.24	16.25	16.14			
20	QPSK	50	0	16.17	16.16	16.27	16.15			
20	QPSK	50	24	16.02	16.12	16.19	16.09	17.2	0	
20	QPSK	50	50	15.98	16.01	16.04	16.02			
20	QPSK	100	0	16.01	16.21	16.23	16.12			
20	16QAM	1	0	15.96	16.14	16.17	16.12			
20	16QAM	1	49	16.09	16.15	16.08	16.13	17.2	0	
20	16QAM	1	99	16.09	16.21	16.11	16.16			
20	16QAM	50	0	16.16	16.19	16.18	16.05			
20	16QAM	50	24	16.11	16.09	16.2	15.98			
20	16QAM	50	50	15.97	16.08	16.04	16	17.2	0	
20	16QAM	100	0	16.11	16.13	16.1	16.08			
20	64QAM	1	0	16.13	16.18	16.19	16.11			
20	64QAM	1	49	16.14	16.21	16.1	16.05	17.2	0	
20	64QAM	1	99	16.1	16.2	16.14	16.2			
20	64QAM	50	0	16.06	16.22	16.12	16.16			
20	64QAM	50	24	16.02	16.16	16.18	16.11			
20	64QAM	50	50	16	16.11	16.17	16.05	17.2	0	
20	64QAM	100	0	16.12	16.08	16.14	16.12			
20	256QAM	1	0	16.07	16.17	16.16	16.16			
20	256QAM	1	49	16.07	16.17	16.1	16.1	17.2	0	
20	256QAM	1	99	15.98	16.19	16.18	16.17			
20	256QAM	50	0	16.09	16.14	16.15	16.1			
20	256QAM	50	24	16.13	16.21	16.15	16.04			
20	256QAM	50	50	16.07	16.17	16.21	16.09	17.2	0	
20	256QAM	100	0	15.97	16.15	16.2	16.18			
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.5	3608	3642	3692.5			
15	QPSK	1	0	16.03	15.96	16.22	16.07	17.2	0	
15	QPSK	1	37	15.98	16	16	16.03			
15	QPSK	1	74	16.02	16.18	16.16	16.01			
15	QPSK	36	0	16.07	16.1	16.15	16.08			
15	QPSK	36	20	15.92	15.99	16.08	15.97	17.2	0	
15	QPSK	36	39	15.9	15.89	15.98	15.93			
15	QPSK	75	0	15.9	16.09	16.16	16			
15	16QAM	1	0	15.88	15.99	16.03	16.06			
15	16QAM	1	37	15.99	16.03	15.96	16.01	17.2	0	
15	16QAM	1	74	16.04	16.11	16	16.04			
15	16QAM	36	0	16.07	16.13	16.04	15.95			
15	16QAM	36	20	16.03	16.04	16.14	15.84			
15	16QAM	36	39	15.91	15.98	15.94	15.9	17.2	0	
15	16QAM	75	0	16	16.02	15.96	16.01			
15	64QAM	1	0	16.06	16.07	16.06	16.06			
15	64QAM	1	37	16.02	16.14	15.98	15.93	17.2	0	
15	64QAM	1	74	16	16.11	16.03	16.09			
15	64QAM	36	0	16.01	16.15	16.05	16.04			
15	64QAM	36	20	15.95	16.03	16.12	16.05			
15	64QAM	36	39	15.9	15.97	16.04	15.95	17.2	0	
15	64QAM	75	0	16.03	15.93	16.02	16			
15	256QAM	1	0	16.01	16.07	16.06	16.08			
15	256QAM	1	37	15.97	16.03	15.95	15.99	17.2	0	
15	256QAM	1	74	15.93	16.06	16.1	16.07			
15	256QAM	36	0	16.03	16.08	16.07	15.96			
15	256QAM	36	20	16.03	16.12	16.04	15.99			
15	256QAM	36	39	16.01	16.05	16.16	15.99	17.2	0	
15	256QAM	75	0	15.86	16.02	16.13	16.1			
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3607.5	3642.5	3695			
10	QPSK	1	0	16.01	15.99	16.14	16.03	17.2	0	
10	QPSK	1	25	16.03	16.08	15.98	15.98			
10	QPSK	1	49	16.02	16.1	16.12	16.04			
10	QPSK	25	0	16.07	16.02	16.2	16			
10	QPSK	25	12	15.97	16.05	16.06	16.02	17.2	0	
10	QPSK	25	25	15.91	15.87	15.95	15.88			
10	QPSK	50	0	15.89	16.13	16.17	15.99			
10	16QAM	1	0	15.87	16.06	16.11	16.02			
10	16QAM	1	25	15.99	16.06	16.01	16.03	17.2	0	
10	16QAM	1	49	15.96	16.1	15.96	16.05			
10	16QAM	25	0	16.03	16.12	16.12	15.95			
10	16QAM	25	12	15.99	16.02	16.08	15.83			
10	16QAM	25	25	15.88	15.98	15.99	15.87	17.2	0	
10	16QAM	50	0	16.02	16.05	16	15.97			
10	64QAM	1	0	16.02	16.09	16.08	15.99			
10	64QAM	1	25	16.05	16.06	15.96	15.9	17.2	0	
10	64QAM	1	49	15.96	16.08	16.01	16.07			
10	64QAM	25	0	15.94	16.16	16.02	16.09			
10	64QAM	25	12	15.95	16.09	16.1	16			
10	64QAM	25	25	15.94	16.03	16.08	15.92	17.2	0	
10	64QAM	50	0	16.03	15.96	16.06	16.01			
10	256QAM	1	0	15.92	16.05	16.08	16.04			
10	256QAM	1	25	15.99	16.07	15.97	15.99	17.2	0	
10	256QAM	1	49	15.87	16.11	16.08	16.09			
10	256QAM	25	0	15.98	16.06	16.09	15.97			
10	256QAM	25	12	16.05	16.06	16.04	15.95			
10	256QAM	25	25	15.94	16.09	16.14	15.95	17.2	0	
10	256QAM	50	0	15.83	16.09	16.05	16.08			
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	16.06	15.96	16.16	16.12	17.2	0	
5	QPSK	1	12	15.96	16.03	16	16.05			
5	QPSK	1	24	16.01	16.15	16.19	16.05			
5	QPSK	12	0	16.06	16.06	16.16	16.03			
5	QPSK	12	7	15.87	16.05	16.06	15.99	17.2	0	
5	QPSK	12	13	15.91	15.87	15.94	15.89			
5	QPSK	25	0	15.92	16.15	16.15	16.04			
5	16QAM	1	0	15.87	16.05	16.04	16.04			
5	16QAM	1	12	15.99	16.07	15.96	16.01	17.2	0	
5	16QAM	1	24	16.04	16.08	15.98	16.04			
5	16QAM	12	0	16.06	16.1	16.05	15.92			
5	16QAM	12	7	16	16	16.13	15.86			
5	16QAM	12	13	15.92	15.94	15.94	15.9	17.2	0	
5	16QAM	25	0	15.99	16.06	15.96	16			
5	64QAM	1	0	15.98	16.05	16.09	16.03			
5	64QAM	1	12	16.07	16.14	16.02	15.92			
5	64QAM	1	24	15.96	16.1	16.09	16.08	17.2	0	
5	64QAM	12	0	15.94	16.15	16.06	16.04			
5	64QAM	12	7	15.97	16.04	16.11	15.99			
5	64QAM	12	13	15.9	15.97	16.03	15.99			
5	64QAM	25	0	16.06	16	16.07	16.03	17.2	0	
5	256QAM	1	0	15.94	16.11	16.03	16.04			
5	256QAM	1	12	16	16.04	16.02	15.98			
5	256QAM	1	24	15.88	16.05	16.07	16.07			
5	256QAM	12	0	16.03	16.01	16.08	16	17.2	0	
5	256QAM	12	7	15.98	16.14	16.06	15.95			
5	256QAM	12	13	15.93	16.04	16.15	15.96			
5	256QAM	25	0	15.84	16.01	16.08	16.13			

GSM850 Ant0_DS16 Standalone

		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
GSM850		128	189	251		128	189	251	
TX Channel		824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)									
GSM 1 Tx slot		32.75	32.60	32.53	33.50	23.75	23.60	23.53	24.50
GPRS 1 Tx slot		32.75	32.60	32.53	33.50	23.75	23.60	23.53	24.50
GPRS 2 Tx slots		29.15	28.84	29.08	30.00	23.15	22.84	23.08	24.00
GPRS 3 Tx slots		28.46	28.50	28.38	29.50	24.20	24.24	24.12	25.24
GPRS 4 Tx slots		28.17	28.08	28.94	27.50	23.17	23.08	22.94	24.50
EDGE 1 Tx slot		25.57	25.62	25.67	27.00	16.57	16.62	16.67	18.00
EDGE 2 Tx slots		24.04	23.92	24.02	25.00	18.04	17.92	18.02	19.00
EDGE 3 Tx slots		22.76	22.65	22.75	24.00	18.50	18.39	18.49	19.74
EDGE 4 Tx slots		20.68	20.66	20.84	22.00	17.68	17.66	17.84	19.00

GSM1900 Ant0_DS16 Standalone

		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
GSM1900		512	851	910		512	851	910	
TX Channel		1850.2	1880	1900.8		1850.2	1880	1900.8	
Frequency (MHz)									
GSM 1 Tx slot		30.17	30.25	30.12	30.50	21.17	21.25	21.12	21.50
GPRS 1 Tx slot		30.17	30.25	30.12	30.50	21.17	21.25	21.12	21.50
GPRS 2 Tx slots		26.54	26.48	26.63	27.50	20.54	20.48	20.63	21.50
GPRS 3 Tx slots		25.14	25.17	25.10	26.50	20.88	20.91	20.84	22.24
GPRS 4 Tx slots		22.28	22.43	22.34	24.00	19.28	19.43	19.34	21.00
EDGE 1 Tx slot		25.24	25.14	25.29	26.50	16.24	16.14	16.29	17.50
EDGE 2 Tx slots		23.73	23.59	23.68	24.50	17.73	17.59	17.68	18.50
EDGE 3 Tx slots		22.60	22.48	22.55	23.50	18.34	18.22	18.29	19.24
EDGE 4 Tx slots		20.37	20.12	20.29	21.00	17.37	17.12	17.29	18.00

WCDMA II Ant0_DS16 Standalone

		WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
Band		9262	9400	9638		4132	4182	4233	
TX Channel		9662	9800	9938		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		826.4	836.4	846.6	
3GPP Rel 99									
AMR 12.2Kbps		21.51	21.48	21.45	22.40	24.35	24.38	24.22	25.00
3GPP Rel 99		21.58	21.66	21.59	22.40	24.38	24.52	24.43	25.00
3GPP Rel 6		20.53	20.57	20.69	21.40	23.30	23.40	23.46	24.00
3GPP Rel 6		20.65	20.62	20.68	21.40	23.30	23.37	23.47	24.00
3GPP Rel 6		20.05	20.10	20.10	20.90	22.79	22.87	22.96	23.50
3GPP Rel 6		20.08	20.17	20.11	20.90	22.80	22.85	22.94	23.50
3GPP Rel 8		20.52	20.61	20.59	21.40	23.12	23.23	23.33	24.00
3GPP Rel 8		20.65	20.71	20.56	21.40	23.16	23.17	23.46	24.00
3GPP Rel 8		19.99	20.23	20.16	20.90	22.85	22.91	22.94	23.50
3GPP Rel 8		20.14	20.23	20.07	20.90	22.82	22.78	22.95	23.50
3GPP Rel 6		20.60	20.74	20.54	21.40	23.35	23.36	23.44	24.00
3GPP Rel 6		18.49	18.73	18.68	19.40	21.29	21.34	21.42	22.00
3GPP Rel 6		19.54	19.64	19.68	20.40	22.31	22.37	22.43	23.00
3GPP Rel 6		18.64	18.61	18.62	19.40	21.25	21.30	21.45	22.00
3GPP Rel 6		20.63	20.58	20.67	21.40	23.30	23.33	23.40	24.00

WCDMA V Ant0_DS16 Standalone

GSM850 Ant0_DS16 Simultaneous

GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8	Limit (dBm)	824.2	836.4	848.8	Limit (dBm)
GSM 1 Tx slot		32.75	32.60	32.53		23.75	23.60	23.53	
GPRS 1 Tx slot		32.75	32.60	32.53	33.50	23.75	23.60	23.53	24.50
GPRS 2 Tx slots		29.15	28.84	29.08	30.00	23.15	22.84	23.08	24.00
GPRS 3 Tx slots		28.46	28.50	28.38	29.50	24.20	24.24	24.12	25.24
GPRS 4 Tx slots		26.17	26.08	25.94	27.50	23.17	23.08	22.94	24.50
EDGE 1 Tx slot		25.57	25.62	25.67	27.00	16.57	16.62	16.67	18.00
EDGE 2 Tx slots		24.04	23.92	24.02	25.00	18.04	17.92	18.02	19.00
EDGE 3 Tx slots		22.76	22.65	22.75	24.00	18.50	18.39	18.49	19.74
EDGE 4 Tx slots		20.68	20.66	20.84	22.00	17.68	17.66	17.84	19.00

GSM1900 Ant0_DS16 Simultaneous

GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	651	810		512	651	810	
Frequency (MHz)		1850.2	1880	1900.8	Limit (dBm)	1850.2	1880	1900.8	Limit (dBm)
GSM 1 Tx slot		30.06	30.22	30.16		21.06	21.22	21.16	
GPRS 1 Tx slot		30.06	30.22	30.16	30.50	21.06	21.22	21.16	21.50
GPRS 2 Tx slots		26.73	26.45	26.61	27.50	20.73	20.45	20.61	21.50
GPRS 3 Tx slots		24.72	24.75	24.71	26.50	20.46	20.49	20.45	22.24
GPRS 4 Tx slots		22.28	22.43	22.34	24.00	19.28	19.43	19.34	21.00
EDGE 1 Tx slot		25.24	25.14	25.29	26.50	16.24	16.14	16.29	17.50
EDGE 2 Tx slots		23.73	23.59	23.68	24.50	17.73	17.59	17.68	18.50
EDGE 3 Tx slots		22.60	22.48	22.55	23.50	18.34	18.22	18.29	19.24
EDGE 4 Tx slots		20.37	20.12	20.29	21.00	17.37	17.12	17.29	18.00

WCDMA II Ant0_DS16 Simultaneous

WCDMA V Ant0_DS16 Simultaneous

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		4132	4182	4233	
Rx Channel		9662	9800	9938	4357	4407	4458		
Frequency (MHz)		1952.4	1880	1907.6	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	20.44	20.41	20.37	21.10	24.35	24.38	24.22	25.00
3GPP Rel 99	RMC 12.2Kbps	20.49	20.70	20.58	21.10	24.38	24.52	24.43	25.00
3GPP Rel 6	HSDPA Subtest-1	19.59	19.65	19.63	20.10	23.30	23.40	23.46	24.00
3GPP Rel 6	HSDPA Subtest-2	19.71	19.62	19.74	20.10	23.30	23.37	23.47	24.00
3GPP Rel 6	HSDPA Subtest-3	19.97	19.08	19.07	19.60	22.79	22.87	22.96	23.50
3GPP Rel 6	HSDPA Subtest-4	19.12	19.16	19.02	19.60	22.80	22.85	22.94	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	19.54	19.64	19.66	20.10	23.12	23.23	23.33	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	19.75	19.68	19.47	20.10	23.16	23.17	23.46	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	19.06	19.29	19.23	19.60	22.85	22.91	22.94	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	19.22	19.23	19.04	19.60	22.82	22.78	22.95	23.50
3GPP Rel 6	HSUPA Subtest-1	19.58	19.77	19.58	20.10	23.35	23.36	23.44	24.00
3GPP Rel 6	HSUPA Subtest-2	17.56	17.83	17.73	18.10	21.29	21.34	21.42	22.00
3GPP Rel 6	HSUPA Subtest-3	18.57	18.55	18.77	19.10	22.31	22.37	22.43	23.00
3GPP Rel 6	HSUPA Subtest-4	17.61	17.65	17.68	18.10	21.25	21.30	21.45	22.00
3GPP Rel 6	HSUPA Subtest-5	19.63	19.57	19.62	20.10	23.30	23.33	23.40	24.00

GSM850 Ant1_DS16 Standalone

	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	129	189	251		129	189	251	
GSM850								
TX Channel	129	189	251		129	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.57	32.36	32.31	33.50	23.57	23.36	23.31	24.50
GPRS 1 Tx slot	32.57	32.36	32.31	33.50	23.57	23.36	23.31	24.50
GPRS 2 Tx slots	29.28	29.04	29.05	30.00	23.28	23.04	23.05	24.00
GPRS 3 Tx slots	28.07	28.14	28.08	29.50	23.81	23.88	23.82	25.24
GPRS 4 Tx slots	26.32	26.03	26.01	27.50	23.32	23.03	23.01	24.50
EDGE 1 Tx slot	25.35	25.26	25.44	27.00	16.35	16.26	16.44	18.00
EDGE 2 Tx slots	23.66	23.56	23.74	25.00	17.66	17.56	17.74	19.00
EDGE 3 Tx slots	22.43	22.37	22.52	24.00	18.17	18.11	18.26	19.74
EDGE 4 Tx slots	20.41	20.40	20.56	22.00	17.41	17.40	17.56	19.00

WCDMA V Ant1_DS16 Standalone

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.51	23.61	23.74	24.50
3GPP Rel 99	RMC 12.2Kbps	23.54	23.67	23.77	24.50
3GPP Rel 6	HSDPA Subtest-1	22.65	22.77	22.90	23.50
3GPP Rel 6	HSDPA Subtest-2	22.63	22.74	22.89	23.50
3GPP Rel 6	HSDPA Subtest-3	22.15	22.28	22.40	23.00
3GPP Rel 6	HSDPA Subtest-4	22.13	22.25	22.37	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.60	22.72	22.73	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.49	22.58	22.82	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.17	22.25	22.45	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.20	22.21	22.46	23.00
3GPP Rel 6	HSUPA Subtest-1	22.62	22.76	22.86	23.50
3GPP Rel 6	HSUPA Subtest-2	20.60	20.73	20.84	21.50
3GPP Rel 6	HSUPA Subtest-3	21.63	21.71	21.83	22.80
3GPP Rel 6	HSUPA Subtest-4	20.62	20.67	20.85	21.50
3GPP Rel 6	HSUPA Subtest-5	22.60	22.70	22.80	23.50

GSM850 Ant1_DSIS Simultaneous

	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	129	189	251		129	189	251	
GSM850								
TX Channel	129	189	251		129	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.57	32.36	32.31	33.50	23.57	23.36	23.31	24.50
GPRS 1 Tx slot	32.57	32.36	32.31	33.50	23.57	23.36	23.31	24.50
GPRS 2 Tx slots	29.28	29.04	29.05	30.00	23.28	23.04	23.05	24.00
GPRS 3 Tx slots	28.07	28.14	28.08	29.50	23.81	23.88	23.82	25.24
GPRS 4 Tx slots	26.32	26.03	26.01	27.50	23.32	23.03	23.01	24.50
EDGE 1 Tx slot	25.35	25.26	25.44	27.00	16.35	16.26	16.44	18.00
EDGE 2 Tx slots	23.66	23.56	23.74	25.00	17.66	17.56	17.74	19.00
EDGE 3 Tx slots	22.43	22.37	22.52	24.00	18.17	18.11	18.26	19.74
EDGE 4 Tx slots	20.41	20.40	20.56	22.00	17.41	17.40	17.56	19.00

WCDMA V Ant1_DSIS Simultaneous

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.51	23.61	23.74	24.50
3GPP Rel 99	RMC 12.2Kbps	23.54	23.67	23.77	24.50
3GPP Rel 6	HSDPA Subtest-1	22.65	22.77	22.90	23.50
3GPP Rel 6	HSDPA Subtest-2	22.63	22.74	22.89	23.50
3GPP Rel 6	HSDPA Subtest-3	22.15	22.28	22.40	23.00
3GPP Rel 6	HSDPA Subtest-4	22.13	22.25	22.37	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.60	22.72	22.73	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.49	22.58	22.82	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.17	22.25	22.45	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.20	22.21	22.46	23.00
3GPP Rel 6	HSUPA Subtest-1	22.62	22.76	22.86	23.50
3GPP Rel 6	HSUPA Subtest-2	20.60	20.73	20.84	21.50
3GPP Rel 6	HSUPA Subtest-3	21.63	21.71	21.83	22.80
3GPP Rel 6	HSUPA Subtest-4	20.62	20.67	20.85	21.50
3GPP Rel 6	HSUPA Subtest-5	22.60	22.70	22.80	23.50

Band 2 Ant0 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up Time (s)	MFR (dB)	MFR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.11	20.36	20.58		21.1	0
20	QPSK	1	49	20.07	20.23	20.21			
20	QPSK	1	99	20.07	20.12	20.19			
20	QPSK	50	0	20.12	20.22	20.25			
20	QPSK	50	24	19.95	20.05	20.14		21.1	0
20	QPSK	50	50	19.92	20.13	20.13			
20	QPSK	100	0	20.10	20.20	20.18			
20	16QAM	1	0	20.04	20.19	20.11			
20	16QAM	1	49	20.05	20.12	20.05		21.1	0
20	16QAM	1	99	20.06	19.97	20.07			
20	16QAM	50	0	19.95	20.08	20.18			
20	16QAM	50	24	19.87	19.98	20.13			
20	16QAM	50	50	20.01	20.06	20.06		21.1	0
20	16QAM	100	0	19.98	20.19	20.12			
20	64QAM	1	0	19.95	20.19	20.04			
20	64QAM	1	49	20.02	20.02	20.02		21.1	0
20	64QAM	1	99	20.12	19.94	20.15			
20	64QAM	50	0	19.98	20.01	20.10			
20	64QAM	50	24	20.04	19.94	20.06			
20	64QAM	50	50	19.95	20.02	20.09			
20	64QAM	100	0	20.04	20.09	20.09			
20	256QAM	1	0	19.07	19.16	19.13			
20	256QAM	1	49	19.05	19.11	19.12		20	1.1
20	256QAM	1	99	19.03	19.10	19.10			
20	256QAM	50	0	18.96	19.05	19.07			
20	256QAM	50	24	18.79	18.85	18.87			
20	256QAM	50	50	18.83	18.87	18.78		20	1.1
20	256QAM	100	0	18.82	18.89	18.81			
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.87	19.80	19.60		21.1	0
15	QPSK	1	37	19.80	19.92	19.91			
15	QPSK	1	74	20.08	20.05	20.09			
15	QPSK	36	0	19.95	20.10	19.91			
15	QPSK	36	25	19.90	19.90	19.90			
15	QPSK	36	36	19.82	19.95	20.09			
15	QPSK	75	0	19.99	20.12	20.05			
15	16QAM	1	0	19.90	20.13	20.09			
15	16QAM	1	37	19.90	20.04	19.99		21.1	0
15	16QAM	1	74	20.03	20.08	19.91			
15	16QAM	36	0	19.88	20.03	20.18			
15	16QAM	36	25	19.85	19.92	20.05			
15	16QAM	36	36	19.86	19.96	20.05			
15	16QAM	75	0	19.87	20.14	20.03			
15	64QAM	1	0	19.89	20.16	20.01			
15	64QAM	1	37	19.87	20.07	20.07		21.1	0
15	64QAM	1	74	20.00	19.92	20.01			
15	64QAM	36	0	19.95	19.93	20.05			
15	64QAM	36	25	20.00	19.98	20.00			
15	64QAM	36	36	19.90	19.92	20.05			
15	64QAM	75	0	19.98	19.91	20.03			
15	256QAM	1	0	19.88	19.96	19.91			
15	256QAM	1	37	19.00	19.05	19.05		20	1.1
15	256QAM	1	74	19.01	19.01	19.06			
15	256QAM	36	0	18.86	18.86	18.86			
15	256QAM	36	25	18.72	18.79	18.78			
15	256QAM	36	36	18.72	18.86	18.68			
15	256QAM	75	0	18.78	18.82	18.71			
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.06	20.27	19.97		21.1	0
10	QPSK	1	25	19.96	20.10	20.13			
10	QPSK	1	49	20.02	20.08	19.99			
10	QPSK	50	0	20.08	20.09	20.01			
10	QPSK	50	12	19.89	19.88	20.01			
10	QPSK	25	26	19.81	20.02	20.01			
10	16QAM	1	0	20.06	20.03	19.94			
10	16QAM	1	49	19.99	20.07	19.84			
10	16QAM	1	26	19.97	19.96	19.94		21.1	0
10	16QAM	1	49	19.93	19.93	19.93			
10	16QAM	25	0	19.89	20.03	20.12			
10	16QAM	25	12	19.78	19.88	20.07			
10	16QAM	25	12	19.71	19.84	19.84			
10	16QAM	50	0	19.85	20.12	20.05			
10	64QAM	1	0	19.79	20.02	19.95			
10	64QAM	1	49	19.98	19.77	19.99			
10	64QAM	25	0	19.86	19.96	20.05			
10	64QAM	25	12	19.93	19.98	20.03			
10	64QAM	50	0	19.95	20.05	19.96			
10	256QAM	1	0	19.08	19.12	19.07			
10	256QAM	1	26	19.05	19.10	19.09			
10	256QAM	1	49	19.97	19.03	19.01			
10	256QAM	25	0	18.76	18.85	18.85			
10	256QAM	25	12	18.71	18.81	18.78			
10	256QAM	25	25	18.79	18.87	18.71			
10	256QAM	50	0	18.74	18.82	18.75			
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.12	20.21	20.14		21.1	0
5	QPSK	1	12	19.99	20.10	20.09			
5	QPSK	1	24	20.12	19.98	20.01			
5	QPSK	12	0	20.16	20.12	20.10			
5	QPSK	12	7	19.83	19.94	19.99			
5	QPSK	12	13	19.77	20.03	20.02			
5	QPSK	36	0	19.96	19.99	19.98			
5	16QAM	1	0	19.89	20.04	19.97			
5	16QAM	1	12	19.92	20.02	19.98		21.1	0
5	16QAM	1	24	19.97	19.84	19.94			
5	16QAM	12	0	19.90	20.04	20.10			
5	16QAM	12	7	19.73	19.82	19.85			
5	16QAM	12	14	19.85	19.98	20.02			
5	16QAM	25	0	19.86	20.09	20.02			
5	64QAM	1	0	19.82	20.07	19.93			
5	64QAM	1	14	19.93	19.94	19.93		21.1	0
5	64QAM	1	24	19.98	19.89	20.02			
5	64QAM	12	0	19.91	19.97	20.02			
5	64QAM	12	12	19.93	19.86	19.91			
5	64QAM	12	13	19.88	19.89	19.94			
5	64QAM	25	0	19.92	19.94	20.03			
5	256QAM	1	0	19.04	19.08	19.05			
5	256QAM	1	12	18.97	19.01	18.98			
5	256QAM	1	24	18.98	19.10	19.01			
5	256QAM	12	0	18.91	18.91	18.90			
5	256QAM	12	7	18.88	18.78	18.83			
5	256QAM	12	13	18.80	18.85	18.86			
5	256QAM	25	0	18.90	18.87	18.78			
Channel									
Frequency (MHz)									
3	QPSK	1	0	19.87	20.24	20.13		21.1	0
3	QPSK	1	8	19.96	20.14	20.13			
3	QPSK	1	14	20.09	20.07	20.06			
3	QPSK	8	0	20.05	20.11	19.96			
3	QPSK	8	4	19.87	19.95	20.02			
3	QPSK	8	7	19.88	20.02	20.06			
3	QPSK	15	0	19.95	20.12	20.05			
3	16QAM	1	0	19.97	20.14	20.03			
3	16QAM	1	8	19.92	20.01	19.97		21.1	0
3	16QAM	1	14	19.93	19.87	19.92			
3	16QAM	8	0	19.80	19.99	20.07			
3	16QAM	8	4	19.79	19.86	20.04			
3	16QAM	8	7	19.96	19.90	20.05			
3	16QAM	15	0	19.89	20.10	19.96			
3	64QAM	1	0	19.89	20.10	19.96			
3	64QAM	1	8	19.96	19.93	19.93			
3	64QAM	1	14	20.01	19.89	20.00			
3	64QAM	8	0	19.86	19.95	20.09			
3	64QAM	8	4	19.99	19.86	19.92			
3	64QAM	8	7	19.86	19.98	19.98			
3	64QAM	15	0	19.99	20.03	19.96			
3	256QAM	1	0	19.02	19.13	19.02			
3	256QAM	1	8	18.96	19.05	18.97			
3	256QAM	1	14	18.97	19.10	19.06			
3	256QAM	8	0	18.88	18.93	18.84			
3	256QAM	8	4	18.78	18.78	18.79			
3	256QAM	8	7	18.77	18.84	18.77			
3	256QAM	15	0	18.72	18.82	18.79			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	20.06	20.21	20.03		21.1	0
1.4	QPSK	1	3	19.93	20.10	20.16			
1.4	QPSK	1	5	20.12	20.00	20.01			
1.4	QPSK	3	0	20.05	20.00	19.99			
1.4	QPSK	3	1	19.87	19.98	20.10			
1.4	QPSK	3	1	19.83	20.01	20.05			
1.4	QPSK	6	0	19.97	20.13	20.09			
1.4	QPSK	6	1	19.93	20.05	20.10			
1.4	QPSK	6	1	19.94	19.99	20.02			
1.4	QPSK	6	1	19.95	19.87	20.03			
1.4	QPSK	6	1	19.96	19.88	20.03		21.1	0
1.4	QPSK	6	1	19.97	19.90	20.03			
1.4	QPSK	6	1	19.98	19.86	20.06			
1.4	QPSK	6	1	19.80	19.86	20.00			
1.4	QPSK	6	1	19.81	19.97	20.01			
1.4	QPSK	6	1	19.86	19.96	20.01			
1.4	QPSK	6	1	19.86	20.05	19.98		21.1	0
1.4	QPSK	6	1	19.80	20.05	19.88			
1.4	QPSK	6	1	19.80	19.88	19.88			
1.4	QPSK	6	1	19.82	19.92	19.92			
1.4	QPSK	6	1	19.99	19.97	20.01		21.1	0
1.4	QPSK	6	1	19.11	19.17	19.07			
1.4</									



Band 7 Ant0 Standalone												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.71	22.83	22.94			23.5	0		
20	QPSK	1	49	22.62	22.82	22.78						
20	QPSK	1	99	22.71	22.84	22.84						
20	QPSK	50	0	22.60	22.72	22.94						
20	QPSK	50	24	22.47	22.65	22.58						
20	QPSK	50	50	22.68	22.81	22.88			23.5	0		
20	QPSK	100	0	22.46	22.67	22.94						
20	HQAM	1	0	22.55	22.62	22.94						
20	HQAM	1	49	22.54	22.56	22.59			23.5	0		
20	HQAM	1	99	22.65	22.48	22.98						
20	HQAM	50	0	22.33	22.40	22.58						
20	HQAM	50	24	22.41	22.48	22.63			23.5	0		
20	HQAM	50	50	22.69	22.59	22.49						
20	HQAM	100	0	22.40	22.59	22.52						
20	HQAM	1	0	22.43	22.62	22.54			23.5	0		
20	HQAM	1	49	22.61	22.48	22.34						
20	HQAM	1	99	22.60	22.45	22.56						
20	HQAM	50	0	22.33	22.50	22.44			23.5	0		
20	HQAM	50	24	22.41	22.49	22.39						
20	HQAM	50	50	22.39	22.51	22.27						
20	HQAM	100	0	22.44	22.53	22.38			19.8	3.7		
20	SSBQAM	1	49	19.50	19.63	19.71						
20	SSBQAM	1	99	19.43	19.68	19.51			19.8	3.7		
20	SSBQAM	50	0	19.39	19.28	19.45						
20	SSBQAM	50	24	19.19	19.28	19.45						
20	SSBQAM	50	50	19.26	19.23	19.28			19.8	3.7		
20	SSBQAM	100	0	19.08	18.88	19.08						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.68	22.70	22.40			23.5	0		
15	QPSK	1	37	22.64	22.64	22.64						
15	QPSK	1	74	22.69	22.67	22.67			23.5	0		
15	QPSK	36	0	22.49	22.62	22.40						
15	QPSK	36	20	22.31	22.34	22.42			23.5	0		
15	QPSK	36	36	22.52	22.48	22.60						
15	QPSK	75	0	22.36	22.52	22.49			23.5	0		
15	HQAM	1	0	22.41	22.55	22.58						
15	HQAM	1	37	22.44	22.41	22.44			23.5	0		
15	HQAM	1	74	22.59	22.43	22.46						
15	HQAM	36	0	22.36	22.46	22.43			23.5	0		
15	HQAM	36	20	22.38	22.37	22.37						
15	HQAM	75	0	19.47	19.28	19.28			19.8	3.7		
15	HQAM	75	0	19.34	19.25	19.41						
15	HQAM	1	0	22.34	22.53	22.38			23.5	0		
15	HQAM	1	37	22.53	22.53	22.53						
15	HQAM	1	74	22.53	22.54	22.51			23.5	0		
15	HQAM	36	0	22.40	22.45	22.45						
15	HQAM	36	20	22.42	22.42	22.42			23.5	0		
15	HQAM	36	36	22.52	22.53	22.54						
15	HQAM	75	0	22.21	22.46	22.48			19.8	3.7		
15	SSBQAM	1	37	19.53	19.64	19.47						
15	SSBQAM	1	74	19.40	19.63	19.51			19.8	3.7		
15	SSBQAM	36	0	19.33	19.28	19.41						
15	SSBQAM	36	20	19.19	19.26	19.41			19.8	3.7		
15	SSBQAM	36	36	19.16	19.17	19.27						
15	SSBQAM	75	0	18.98	18.93	19.08			19.8	3.7		
15	SSBQAM	75	0	18.86	18.87	18.87						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.61	22.74	22.40			23.5	0		
10	QPSK	1	24	22.58	22.72	22.45						
10	QPSK	1	49	22.61	22.58	22.51			23.5	0		
10	QPSK	1	74	22.69	22.67	22.67						
10	QPSK	25	0	22.53	22.58	22.40			23.5	0		
10	QPSK	25	12	22.52	22.59	22.48						
10	QPSK	25	25	22.44	22.56	22.59			23.5	0		
10	HQAM	1	0	22.41	22.63	22.47						
10	HQAM	1	49	22.44	22.50	22.47			23.5	0		
10	HQAM	1	25	22.49	22.43	22.44						
10	HQAM	1	49	22.48	22.43	22.45			23.5	0		
10	HQAM	25	0	22.23	22.45	22.53						
10	HQAM	25	12	22.34	22.38	22.59			23.5	0		
10	HQAM	25	25	22.37	22.45	22.43						
10	HQAM	50	0	22.27	22.50	22.36			23.5	0		
10	HQAM	1	0	22.37	22.48	22.44						
10	HQAM	1	25	22.47	22.36	22.31			23.5	0		
10	HQAM	1	49	22.50	22.41	22.51						
10	HQAM	25	0	22.47	22.43	22.39			23.5	0		
10	HQAM	25	12	22.35	22.37	22.27						
10	HQAM	25	25	22.38	22.36	22.32			23.5	0		
10	HQAM	50	0	22.31	22.34	22.35						
10	HQAM	1	0	19.46	19.50	19.51			19.8	3.7		
10	SSBQAM	1	25	19.43	19.60	19.48						
10	SSBQAM	1	49	19.41	19.63	19.44			19.8	3.7		
10	SSBQAM	25	0	19.31	19.40	19.18						
10	SSBQAM	25	12	19.19	19.22	19.42			19.8	3.7		
10	SSBQAM	25	25	19.23	19.24	19.20						
10	SSBQAM	50	0	19.19	19.20	19.23			19.8	3.7		
10	SSBQAM	50	0	19.02	19.28	19.28						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.62	22.66	22.45			23.5	0		
5	QPSK	1	12	22.55	22.76	22.70						
5	QPSK	1	24	22.58	22.62	22.60			23.5	0		
5	QPSK	1	49	22.61	22.58	22.51						
5	QPSK	12	0	22.53	22.58	22.40			23.5	0		
5	QPSK	12	13	22.45	22.47	22.63						
5	HQAM	1	0	22.46	22.43	22.38			23.5	0		
5	HQAM	1	0	22.43	22.50	22.56						
5	HQAM	1	12	22.44	22.50	22.47			23.5	0		
5	HQAM	1	12	22.44	22.50	22.47						
5	HQAM	12	0	22.35	22.37	22.27			23.5	0		
5	HQAM	12	7	22.33	22.38	22.58						
5	HQAM	12	13	22.35	22.32	22.49			23.5	0		
5	HQAM	12	13	22.33	22.38	22.58						
5	HQAM	25	0	22.30	22.49	22.41			23.5	0		
5	HQAM	1	0	22.35	22.51	22.48						
5	HQAM	1	12	22.41	22.35	22.33			23.5	0		
5	HQAM	1	12	22.41	22.35	22.33						
5	HQAM	12	0	22.25	22.45	22.48			23.5	0		
5	HQAM	12	7	22.27	22.34	22.35						
5	HQAM	12	13	22.28	22.36	22.45			23.5	0		
5	HQAM	25	0	22.25	22.31	22.37						
5	SSBQAM	1	0	19.41	19.52	19.51			19.8	3.7		
5	SSBQAM	1	12	19.48	19.38	19.44						
5	SSBQAM	1	24	19.35	19.34	19.24			19.8	3.7		
5	SSBQAM	12	0	19.25	19.34	19.24						
5	SSBQAM	12	7	19.09	19.21	19.41			19.8	3.7		
5	SSBQAM	12	13	19.20	19.20	19.20						
5	SSBQAM	25	0	19.22	19.28	19.28			19.8	3.7		
5	SSBQAM	25	0	19.05	19.05	19.05						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.62	22.66	22.45			23.5	0		
5	QPSK	1	12	22.55	22.76	22.70						
5	QPSK	1	24	22.58	22.62	22.60			23.5	0		
5	QPSK	1	49	22.61	22.58	22.51						
5	QPSK	12	0	22.53	22.58	22.40			23.5	0		
5	QPSK	12	13	22.45	22.47	22.63						
5	HQAM	1	0	22.46	22.43	22.38			23.5	0		
5	HQAM	1	0	22.43	22.50	22.56						
5	HQAM	1	12	22.44	22.50	22.47			23.5	0		
5	HQAM	1	12	22.44	22.50	22.47						
5	HQAM	12	0	22.35	22.37	22.27			23.5	0		
5	HQAM	12	7	22.33	22.38	22.58						
5	HQAM	12	13	22.35	22.32	22.49			23.5	0		
5	HQAM	12	13	22.33	22.38	22.58						
5	HQAM	25	0	22.30	22.49	22.41			23.5	0		
5	HQAM	1	0	22.35	22.51	22.48						
5	HQAM	1	12	22.41	22.35	22.33			23.5	0		
5	HQAM	1	12	22.41	22.35	22.33						
5	HQAM	12	0	22.25	22.45	22.48			23.5	0		
5	HQAM	12	7	22.27	22.34	22.35						
5	HQAM	12	13	22.28	22.36	22.45			23.5	0		
5	HQAM	25	0	22.25	22.31	22.37						
5	SSBQAM	1	0	19.41	19.52	19.51			19.8	3.7		
5	SSBQAM	1	12	19.48	19.38	19.44						
5	SSBQAM	1	24	19.35	19.34	19.24			19.8	3.7		
5	SSBQAM	12	0	19.25	19.34	19.24						
5	SSBQAM	12	7	19.09	19.21	19.41			19.8	3.7		
5	SSBQAM	12	13	19.20	19.20	19.20						
5	SSBQAM	25	0	19.22	19.28	19.28			19.8	3.7		
5	SSBQAM	25	0	19.05	19.05	19.05						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.62	22.66	22.45			23.5	0		
5	QPSK	1	12	22.55	22.76	22.70						
5	QPSK	1	24	22.58	22.62	22.60			23.5	0		
5	QPSK	1	49	22.61	22.58	22.51						
5	QPSK	12	0	22.53	22.58	22.40			23.5	0		
5	QPSK	12	13	22.45	22.47	22.63						
5	HQAM	1	0	22.46	22.43	22.38			23.5			



Band 2 Ant0 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.56	18.85	18.72				
20	QPSK	1	49	18.56	18.85	18.72	10.8	0		
20	QPSK	1	99	18.83	18.81	18.83				
20	QPSK	50	0	18.52	18.59	18.53				
20	QPSK	50	24	18.44	18.45	18.57				
20	QPSK	50	50	18.55	18.55	18.47	10.8	0		
20	QPSK	100	0	18.57	18.49	18.49				
20	16QAM	1	0	18.47	18.48	18.42				
20	16QAM	1	49	18.40	18.69	18.57	10.8	0		
20	16QAM	1	99	18.52	18.39	18.65				
20	16QAM	50	0	18.51	18.45	18.48				
20	16QAM	50	24	18.47	18.45	18.47	10.8	0		
20	16QAM	50	50	18.56	18.49	18.49				
20	16QAM	100	0	18.45	18.65	18.61				
20	64QAM	1	0	18.50	18.54	18.54				
20	64QAM	1	49	18.53	18.59	18.71	10.8	0		
20	64QAM	1	99	18.80	18.77	18.63				
20	64QAM	50	0	18.45	18.48	18.48				
20	64QAM	50	24	18.57	18.47	18.54	10.8	0		
20	64QAM	50	50	18.42	18.53	18.37				
20	64QAM	100	0	18.40	18.71	18.51				
20	256QAM	1	0	18.42	18.55	18.58				
20	256QAM	1	49	18.42	18.65	18.64	10.8	0		
20	256QAM	1	99	18.66	18.63	18.37				
20	256QAM	50	0	18.42	18.58	18.62				
20	256QAM	50	24	18.40	18.43	18.51	10.8	0		
20	256QAM	50	50	18.43	18.63	18.69				
20	256QAM	100	0	18.56	18.39	18.69				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.43	18.80	18.63				
15	QPSK	1	37	18.43	18.71	18.68	10.8	0		
15	QPSK	1	74	18.48	18.54	18.64				
15	QPSK	1	74	18.58	18.47	18.56				
15	QPSK	36	0	18.45	18.53	18.37				
15	QPSK	36	25	18.36	18.20	18.48				
15	QPSK	36	36	18.41	18.58	18.66	10.8	0		
15	QPSK	75	0	18.51	18.35	18.35				
15	16QAM	1	0	18.41	18.35	18.35				
15	16QAM	1	37	18.34	18.53	18.52	10.8	0		
15	16QAM	1	74	18.59	18.42	18.52				
15	16QAM	36	0	18.40	18.30	18.44				
15	16QAM	36	25	18.40	18.30	18.32	10.8	0		
15	16QAM	36	36	18.46	18.36	18.44				
15	16QAM	75	0	18.33	18.61	18.56				
15	64QAM	1	0	18.36	18.46	18.58	10.8	0		
15	64QAM	1	37	18.57	18.48	18.52				
15	64QAM	1	74	18.55	18.63	18.53				
15	64QAM	36	0	18.41	18.41	18.58				
15	64QAM	36	25	18.46	18.36	18.44	10.8	0		
15	64QAM	36	36	18.34	18.45	18.31				
15	64QAM	75	0	18.27	18.67	18.42				
15	256QAM	1	0	18.44	18.41	18.41				
15	256QAM	1	37	18.28	18.40	18.52	10.8	0		
15	256QAM	1	74	18.61	18.41	18.22				
15	256QAM	36	0	18.37	18.52	18.48				
15	256QAM	36	25	18.25	18.38	18.48				
15	256QAM	36	36	18.37	18.44	18.59	10.8	0		
15	256QAM	75	0	18.47	18.25	18.43				
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.50	18.76	18.66				
10	QPSK	1	25	18.44	18.59	18.65	10.8	0		
10	QPSK	1	49	18.49	18.44	18.48				
10	QPSK	1	74	18.48	18.49	18.44				
10	QPSK	25	12	18.32	18.62	18.44				
10	QPSK	25	26	18.49	18.48	18.56	10.8	0		
10	16QAM	50	0	18.48	18.59	18.37				
10	16QAM	1	0	18.43	18.35	18.35				
10	16QAM	1	25	18.26	18.61	18.49	10.8	0		
10	16QAM	1	49	18.36	18.49	18.59				
10	16QAM	25	0	18.46	18.40	18.33				
10	16QAM	25	12	18.33	18.39	18.37	10.8	0		
10	16QAM	25	26	18.52	18.48	18.49				
10	16QAM	50	0	18.33	18.58	18.57				
10	64QAM	1	0	18.37	18.48	18.58	10.8	0		
10	64QAM	1	25	18.54	18.51	18.44				
10	64QAM	1	49	18.52	18.72	18.55				
10	64QAM	25	0	18.29	18.34	18.64				
10	64QAM	25	12	18.42	18.35	18.35	10.8	0		
10	64QAM	25	26	18.30	18.48	18.28				
10	64QAM	50	0	18.28	18.66	18.45				
10	256QAM	1	0	18.35	18.41	18.41				
10	256QAM	1	25	18.37	18.50	18.55	10.8	0		
10	256QAM	1	49	18.51	18.46	18.25				
10	256QAM	25	0	18.58	18.44	18.21				
10	256QAM	25	12	18.33	18.32	18.34	10.8	0		
10	256QAM	25	26	18.32	18.37	18.38				
10	256QAM	50	0	18.44	18.30	18.43				
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.51	18.71	18.53				
5	QPSK	1	12	18.45	18.58	18.67	10.8	0		
5	QPSK	1	24	18.57	18.40	18.48				
5	QPSK	12	0	18.45	18.44	18.44				
5	QPSK	12	7	18.35	18.70	18.45	10.8	0		
5	QPSK	12	13	18.45	18.47	18.45				
5	QPSK	36	0	18.45	18.60	18.48				
5	16QAM	1	0	18.33	18.33	18.32				
5	16QAM	1	12	18.29	18.65	18.48	10.8	0		
5	16QAM	1	24	18.36	18.48	18.35				
5	16QAM	12	0	18.36	18.35	18.39				
5	16QAM	12	7	18.43	18.31	18.35	10.8	0		
5	16QAM	12	13	18.55	18.44	18.41				
5	16QAM	25	0	18.35	18.51	18.48				
5	64QAM	1	0	18.43	18.45	18.52	10.8	0		
5	64QAM	1	12	18.55	18.57	18.52				
5	64QAM	1	24	18.51	18.71	18.52				
5	64QAM	12	0	18.30	18.43	18.58				
5	64QAM	12	7	18.41	18.36	18.38	10.8	0		
5	64QAM	12	13	18.31	18.39	18.28				
5	64QAM	25	0	18.29	18.64	18.45				
5	256QAM	1	0	18.46	18.49	18.54				
5	256QAM	1	12	18.28	18.59	18.59	10.8	0		
5	256QAM	1	24	18.51	18.38	18.21				
5	256QAM	12	0	18.57	18.48	18.49				
5	256QAM	12	7	18.29	18.29	18.45	10.8	0		
5	256QAM	12	13	18.39	18.45	18.54				
5	256QAM	25	0	18.53	18.28	18.46				
Channel										
Frequency (MHz)										
3	QPSK	1	0	18.53	18.74	18.53				
3	QPSK	1	8	18.53	18.55	18.61	10.8	0		
3	QPSK	1	14	18.53	18.36	18.59				
3	QPSK	8	0	18.47	18.47	18.39				
3	QPSK	8	4	18.30	18.64	18.52	10.8	0		
3	QPSK	8	7	18.48	18.56	18.58				
3	QPSK	15	0	18.45	18.64	18.46				
3	16QAM	1	0	18.41	18.40	18.30				
3	16QAM	1	8	18.28	18.61	18.45	10.8	0		
3	16QAM	1	14	18.46	18.55	18.53				
3	16QAM	8	0	18.43	18.30	18.34				
3	16QAM	8	4	18.32	18.29	18.33	10.8	0		
3	16QAM	8	7	18.52	18.52	18.41				
3	16QAM	15	0	18.38	18.54	18.52				
3	64QAM	1	0	18.39	18.43	18.51	10.8	0		
3	64QAM	1	8	18.49	18.54	18.60				
3	64QAM	1	14	18.51	18.70	18.58				
3	64QAM	8	0	18.32	18.36	18.63				
3	64QAM	8	4	18.52	18.35	18.49	10.8	0		
3	64QAM	8	7	18.27	18.43	18.25				
3	64QAM	15	0	18.29	18.39	18.44				
3	256QAM	1	0	18.46	18.49	18.53				
3	256QAM	1	8	18.27	18.39	18.55	10.8	0		
3	256QAM	1	14	18.61	18.39	18.27				
3	256QAM	8	0	18.60	18.43	18.43				
3	256QAM	8	4	18.33	18.33	18.43	10.8	0		
3	256QAM	8	7	18.33	18.44	18.55				
3	256QAM	15	0	18.45	18.25	18.42				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	18.48	18.74	18.58				
1.4	QPSK	1	5	18.44	18.57	18.56	10.8	0		
1.4	QPSK	1	5	18.50	18.48	18.51				
1.4	QPSK	3	0	18.46	18.47	18.50				
1.4	QPSK	3	3	18.39	18.46	18.57	10.8	0		
1.4	QPSK	3	3	18.51	18.54	18.57				
1.4	QPSK	6	0	18.50	18.59	18.49				
1.4	QPSK	6	3	18.37	18.52	18.45	10.8	0		
1.4	QPSK	3	3	18.32	18.54	18.53				



Band 7 Ant0 Simultaneous												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.03	21.12	21.10			22.4	0		
20	QPSK	1	49	20.99	21.08	21.06						
20	QPSK	1	99	20.87	20.89	20.92						
20	QPSK	50	0	20.81	21.10	20.87			22.4	0		
20	QPSK	50	24	21.07	20.89	20.93						
20	QPSK	50	50	20.93	20.84	20.93						
20	QPSK	100	0	20.89	21.09	21.01			22.4	0		
20	HQAM	1	0	21.00	21.02	21.01						
20	HQAM	1	49	21.01	20.96	21.04						
20	HQAM	1	99	20.86	20.93	20.99			22.4	0		
20	HQAM	50	0	20.99	20.87	20.93						
20	HQAM	50	24	20.97	20.93	21.02						
20	HQAM	50	50	20.90	20.90	20.98			22.4	0		
20	HQAM	100	0	20.93	20.98	21.02						
20	HQAM	1	0	21.01	20.98	21.01						
20	HQAM	1	49	20.91	20.97	21.00			22.4	0		
20	HQAM	1	99	20.83	20.89	21.02						
20	HQAM	50	24	21.05	21.04	21.01						
20	HQAM	50	50	20.91	20.93	20.97			22.4	0		
20	HQAM	100	0	20.87	21.04	21.02						
20	SSBQAM	1	0	19.50	19.53	19.71						
20	SSBQAM	1	49	19.53	19.69	19.48			20	2.4		
20	SSBQAM	1	99	19.43	19.68	19.15						
20	SSBQAM	50	0	19.32	19.41	19.29						
20	SSBQAM	50	24	19.18	19.28	19.45			20	2.4		
20	SSBQAM	50	50	19.26	19.23	19.28						
20	SSBQAM	100	0	19.28	19.28	19.28						
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.72	20.91	20.81			22.4	0		
15	QPSK	1	37	20.83	20.74	20.82						
15	QPSK	1	74	20.69	20.69	20.81						
15	QPSK	36	0	20.56	20.74	20.69			22.4	0		
15	QPSK	36	20	20.80	20.69	20.72						
15	QPSK	36	36	20.59	20.69	20.74						
15	QPSK	75	0	20.65	20.73	20.69			22.4	0		
15	HQAM	1	37	20.73	20.71	20.78						
15	HQAM	1	74	20.67	20.61	20.72						
15	HQAM	36	0	20.55	20.68	20.76			22.4	0		
15	HQAM	36	20	20.78	20.71	20.72						
15	HQAM	36	36	20.55	20.68	20.76						
15	HQAM	75	0	20.69	20.69	20.75			22.4	0		
15	HQAM	1	37	20.69	20.69	20.75						
15	HQAM	1	74	20.53	20.66	20.74						
15	HQAM	36	0	20.55	20.91	20.73			22.4	0		
15	HQAM	36	20	20.78	20.71	20.75						
15	HQAM	36	36	20.54	20.50	20.74						
15	HQAM	75	0	20.59	20.95	20.80			22.4	0		
15	HQAM	75	0	20.74	20.76	20.78						
15	SSBQAM	1	37	19.53	19.54	19.47						
15	SSBQAM	1	74	19.40	19.63	19.51			20	2.4		
15	SSBQAM	12	0	19.50	19.50	19.59						
15	SSBQAM	36	20	19.19	19.26	19.41						
15	SSBQAM	36	36	19.16	19.17	19.27			20	2.4		
15	SSBQAM	75	0	19.09	19.09	19.20						
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.81	20.96	20.91					22.4	0
10	QPSK	1	25	20.83	20.70	20.82						
10	QPSK	1	49	20.63	20.56	20.78						
10	QPSK	25	0	20.50	20.65	20.69			22.4	0		
10	QPSK	25	12	20.81	20.69	20.68						
10	QPSK	25	25	20.62	20.49	20.75						
10	QPSK	50	0	20.64	20.74	20.66			22.4	0		
10	HQAM	1	25	20.68	20.78	20.62						
10	HQAM	1	49	20.71	20.76	20.78						
10	HQAM	25	0	20.57	20.58	20.62			22.4	0		
10	HQAM	25	12	20.61	20.63	20.61						
10	HQAM	25	25	20.77	20.71	20.63						
10	HQAM	50	0	20.72	20.68	20.74			22.4	0		
10	HQAM	1	0	20.84	20.61	20.81						
10	HQAM	1	25	20.72	20.71	20.63						
10	HQAM	1	49	20.50	20.67	20.66			22.4	0		
10	HQAM	25	0	20.59	20.62	20.72						
10	HQAM	25	12	20.74	20.75	20.73						
10	HQAM	25	25	20.53	20.69	20.71			22.4	0		
10	HQAM	50	0	20.54	20.71	20.63						
10	HQAM	50	0	19.46	19.65	19.61						
10	SSBQAM	1	25	19.43	19.60	19.46			20	2.4		
10	SSBQAM	1	49	19.41	19.63	19.44						
10	SSBQAM	25	0	19.51	19.45	19.16						
10	SSBQAM	25	12	19.19	19.22	19.42			20	2.4		
10	SSBQAM	25	25	19.23	19.24	19.20						
10	SSBQAM	50	0	19.19	19.20	19.23						
Channel												
Frequency (MHz)												
5	QPSK	1	0	20.67	20.78	20.79			22.4	0		
5	QPSK	1	12	20.81	20.78	20.78						
5	QPSK	1	24	20.66	20.65	20.79						
5	QPSK	12	0	20.61	20.86	20.69			22.4	0		
5	QPSK	12	7	20.78	20.67	20.68						
5	QPSK	12	13	20.67	20.57	20.71						
5	QPSK	25	0	20.63	20.76	20.77			22.4	0		
5	HQAM	1	0	20.62	20.65	20.79						
5	HQAM	1	12	20.85	20.68	20.68						
5	HQAM	1	24	20.73	20.76	20.78			22.4	0		
5	HQAM	12	0	20.63	20.53	20.72						
5	HQAM	12	7	20.75	20.60	20.71						
5	HQAM	12	13	20.54	20.75	20.64			22.4	0		
5	HQAM	25	0	20.69	20.78	20.79						
5	HQAM	1	0	20.79	20.76	20.78						
5	HQAM	1	12	20.60	20.77	20.69			22.4	0		
5	HQAM	1	24	20.49	20.53	20.76						
5	HQAM	12	0	20.54	20.75	20.54						
5	HQAM	12	7	20.72	20.81	20.72			22.4	0		
5	HQAM	12	13	20.59	20.74	20.64						
5	HQAM	25	0	20.70	20.79	20.74						
5	SSBQAM	1	0	19.41	19.62	19.61			20	2.4		
5	SSBQAM	1	12	19.48	19.59	19.44						
5	SSBQAM	1	24	19.26	19.59	19.44						
5	SSBQAM	12	7	19.09	19.21	19.41			20	2.4		
5	SSBQAM	12	13	19.20	19.20	19.20						
5	SSBQAM	25	0	19.22	19.28	19.28						

Band 12 Ant0 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.63	22.76	22.61			24	0
10	QPSK	1	25	22.65	22.66	22.64				
10	QPSK	1	49	22.61	22.62	22.61				
10	QPSK	25	0	22.64	22.75	22.62			24	0
10	QPSK	25	12	22.59	22.58	22.72				
10	QPSK	25	25	22.70	22.67	22.71				
10	QPSK	50	0	22.70	22.75	22.72			24	0
10	16QAM	1	25	22.56	22.57	22.52				
10	16QAM	1	49	22.50	22.47	22.59				
10	16QAM	1	49	22.51	22.47	22.59			24	0
10	16QAM	25	0	22.49	22.63	22.49				
10	16QAM	25	0	22.50	22.70	22.50				
10	16QAM	25	12	22.53	22.61	22.61			24	0
10	16QAM	50	0	22.52	22.64	22.59				
10	16QAM	50	0	22.53	22.65	22.53				
10	16QAM	1	25	22.50	22.48	22.57			24	0
10	16QAM	1	49	22.42	22.57	22.45				
10	16QAM	1	49	22.46	22.56	22.46				
10	16QAM	25	12	22.62	22.70	22.65			24	0
10	16QAM	25	25	22.52	22.49	22.59				
10	16QAM	25	25	22.49	22.62	22.50				
10	16QAM	50	0	22.46	22.59	22.46			24	0
10	25QAM	1	2	19.06	19.25	19.31				
10	25QAM	1	25	19.10	19.27	19.12				
10	25QAM	1	25	19.07	19.23	19.12			24	0
10	25QAM	25	6	18.89	19.00	18.91				
10	25QAM	25	12	18.84	18.95	19.02				
10	25QAM	25	12	18.77	18.88	18.95			24	0
10	25QAM	50	0	19.53	19.69	19.65				
10	25QAM	50	0	19.55	19.69	19.65				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.50	22.57	22.54			24	0
3	QPSK	1	14	22.62	22.53	22.60				
3	QPSK	1	24	22.59	22.60	22.49				
3	QPSK	12	0	22.63	22.62	22.64			24	0
3	QPSK	12	7	22.48	22.54	22.68				
3	QPSK	12	14	22.55	22.61	22.56				
3	QPSK	25	0	22.58	22.64	22.57			24	0
3	QPSK	25	12	22.60	22.74	22.58				
3	16QAM	1	0	22.49	22.41	22.50				
3	16QAM	1	14	22.49	22.41	22.50			24	0
3	16QAM	1	24	22.38	22.43	22.48				
3	16QAM	12	0	22.48	22.42	22.48				
3	16QAM	12	7	22.37	22.69	22.42			24	0
3	16QAM	12	14	22.54	22.56	22.46				
3	16QAM	25	0	22.39	22.58	22.50				
3	16QAM	25	12	22.41	22.46	22.54			24	0
3	16QAM	25	12	22.41	22.46	22.54				
3	16QAM	25	14	22.36	22.45	22.36				
3	16QAM	25	14	22.36	22.45	22.36			24	0
3	16QAM	50	0	22.42	22.42	22.38				
3	16QAM	50	0	22.42	22.42	22.38				
3	25QAM	1	14	19.07	19.23	19.02			24	0
3	25QAM	1	24	19.07	19.17	19.07				
3	25QAM	12	0	19.00	19.17	19.07				
3	25QAM	1	14	18.93	19.01	18.94			24	0
3	25QAM	12	7	18.80	18.81	18.80				
3	25QAM	12	14	18.75	18.86	18.81				
3	25QAM	25	0	18.92	18.82	18.83			24	0
3	25QAM	25	12	18.82	18.83	18.83				
3	25QAM	25	12	18.82	18.83	18.83				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.47	22.59	22.49			24	0
3	QPSK	1	8	22.55	22.48	22.62				
3	QPSK	1	14	22.52	22.52	22.45				
3	QPSK	1	14	22.52	22.68	22.44			24	0
3	QPSK	8	0	22.47	22.46	22.71				
3	QPSK	8	7	22.64	22.51	22.63				
3	QPSK	8	7	22.58	22.61	22.68			24	0
3	16QAM	1	0	22.37	22.45	22.48				
3	16QAM	1	8	22.49	22.36	22.34				
3	16QAM	8	0	22.49	22.42	22.44			24	0
3	16QAM	8	0	22.39	22.49	22.41				
3	16QAM	8	7	22.36	22.62	22.42				
3	16QAM	8	7	22.43	22.53	22.42			24	0
3	16QAM	15	0	22.43	22.53	22.42				
3	16QAM	15	0	22.45	22.48	22.50				
3	16QAM	15	0	22.45	22.48	22.50			24	0
3	16QAM	15	7	22.32	22.44	22.38				
3	16QAM	15	7	22.38	22.41	22.38				
3	16QAM	8	7	22.38	22.41	22.38			24	0
3	16QAM	8	7	22.32	22.47	22.39				
3	16QAM	8	7	22.32	22.47	22.39				
3	16QAM	15	0	22.41	22.53	22.49			24	0
3	16QAM	15	0	22.42	22.53	22.49				
3	16QAM	15	0	22.42	22.53	22.49				
3	25QAM	1	8	18.99	19.17	19.02			24	0
3	25QAM	1	14	19.06	19.00	19.00				
3	25QAM	1	14	18.99	19.05	18.95				
3	25QAM	8	4	18.76	18.81	18.99			24	0
3	25QAM	8	4	18.75	18.81	18.99				
3	25QAM	8	4	18.83	18.71	18.92				
3	25QAM	15	0	18.84	18.84	18.84			24	0
3	25QAM	15	0	18.84	18.84	18.84				
3	25QAM	15	0	18.84	18.84	18.84				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.62	22.65	22.61			24	0
1.4	QPSK	1	3	22.56	22.65	22.61				
1.4	QPSK	1	3	22.53	22.60	22.48				
1.4	QPSK	1	15	22.57	22.61	22.51			24	0
1.4	QPSK	3	0	22.47	22.49	22.53				
1.4	QPSK	3	0	22.53	22.54	22.59				
1.4	16QAM	1	0	22.54	22.63	22.54			24	0
1.4	16QAM	1	3	22.45	22.54	22.43				
1.4	16QAM	1	3	22.46	22.53	22.47				
1.4	16QAM	3	0	22.31	22.33	22.40			24	0
1.4	16QAM	3	1	22.52	22.64	22.44				
1.4	16QAM	3	1	22.50	22.60	22.48				
1.4	16QAM	6	0	22.36	22.56	22.63			24	0
1.4	16QAM	6	0	22.41	22.54	22.49				
1.4	16QAM	6	0	22.41	22.54	22.49				
1.4	16QAM	1	6	22.25	22.53	22.40			24	0
1.4	16QAM	3	0	22.47	22.42	22.40				
1.4	16QAM	3	0	22.47	22.42	22.40				
1.4	16QAM	3	0	22.48	22.42	22.53			24	0
1.4	16QAM	3	3	22.43	22.60	22.41				
1.4	16QAM	3	3	22.43	22.60	22.41				
1.4	25QAM	1	3	19.00	19.19	19.05			24	0
1.4	25QAM	1	5	18.99	19.20	19.08				
1.4	25QAM	1	5	18.96	19.05	18.95				
1.4	25QAM	3	1	18.82	18.86	18.94			24	0
1.4	25QAM	3	3	18.76	18.75	18.77				
1.4	25QAM	3	3	18.75	18.75	18.77				

Band 2 Ant1 Standalone									
SR (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Freq.	Power Level Ch./Freq.	Power Level Ch./Freq.	Turn-on Time (ms)	SRP (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.02	20.08	20.07			
20	QPSK	1	48	19.88	19.82	19.80	20.0	0	
20	QPSK	1	99	19.91	19.86	19.80			
20	QPSK	50	0	20.01	20.01	20.01			
20	QPSK	50	24	20.01	19.98	19.82	20.0	0	
20	QPSK	50	50	19.95	19.88	19.86			
20	16QAM	1	0	19.98	19.98	19.98			
20	16QAM	1	48	19.79	19.80	19.80	20.0	0	
20	16QAM	1	99	19.80	19.82	19.81			
20	16QAM	50	0	19.75	19.85	19.75			
20	16QAM	50	24	19.85	19.81	19.70	20.0	0	
20	16QAM	50	50	19.93	19.94	19.92			
20	64QAM	1	0	19.92	19.96	19.96			
20	64QAM	1	48	19.97	19.90	19.85	20.0	0	
20	64QAM	1	99	19.92	19.88	19.82			
20	64QAM	50	0	19.98	19.92	19.97			
20	64QAM	50	24	19.99	19.92	19.79	20.0	0	
20	64QAM	50	50	19.72	19.82	19.79			
20	256QAM	1	0	19.32	19.32	19.30			
20	256QAM	1	48	19.36	19.24	19.21	18.6	2	
20	256QAM	1	99	19.36	19.23	19.20			
20	256QAM	50	0	19.36	19.27	19.24			
20	256QAM	50	24	19.34	19.17	19.12	18.6	2	
20	256QAM	50	50	19.08	19.20	19.21			
20	256QAM	100	0	19.07	19.18	19.14			
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.08	19.07	19.08	20.0	0	
15	QPSK	1	37	19.83	19.78	19.87			
15	QPSK	1	74	19.94	19.77	19.87			
15	QPSK	36	0	19.02	19.07	19.08			
15	QPSK	36	20	19.03	19.04	19.03	20.0	0	
15	QPSK	36	50	19.02	19.04	19.00			
15	QPSK	75	0	19.03	19.03	19.00			
15	16QAM	1	0	19.78	19.78	19.88	20.0	0	
15	16QAM	1	37	19.66	19.62	19.60			
15	16QAM	1	74	19.74	19.74	19.68			
15	16QAM	36	0	19.67	19.67	19.67			
15	16QAM	36	20	19.68	19.65	19.65	20.0	0	
15	16QAM	36	50	19.05	19.00	19.07			
15	16QAM	75	0	19.01	19.07	19.77			
15	64QAM	1	0	19.73	19.88	19.84	20.0	0	
15	64QAM	1	37	19.69	19.68	19.70			
15	64QAM	1	74	19.01	19.01	19.78			
15	64QAM	36	0	19.74	19.70	19.60			
15	64QAM	36	20	19.74	19.68	19.62	20.0	0	
15	64QAM	36	50	19.03	19.08	19.03			
15	64QAM	75	0	19.08	19.08	19.08			
15	256QAM	1	0	19.08	19.07	19.07			
15	256QAM	1	37	19.75	19.24	19.25	18.6	2	
15	256QAM	1	74	19.75	19.24	19.22			
15	256QAM	36	0	19.74	19.24	19.25			
15	256QAM	36	20	19.74	19.11	19.11	18.6	2	
15	256QAM	36	50	19.08	19.20	19.14			
15	256QAM	75	0	19.08	19.08	19.04			
Channel									
Frequency (MHz)									
10	QPSK	1	0	19.08	19.07	19.08	20.0	0	
10	QPSK	1	25	19.73	19.81	19.75			
10	QPSK	1	48	19.83	19.77	19.84			
10	QPSK	1	74	19.94	19.77	19.87			
10	QPSK	25	0	19.06	19.78	19.78			
10	QPSK	25	25	19.88	19.80	19.78	20.0	0	
10	QPSK	50	0	19.72	19.84	19.81			
10	16QAM	1	0	19.92	19.78	19.83	20.0	0	
10	16QAM	1	28	19.82	19.74	19.82			
10	16QAM	1	48	19.82	19.80	19.80			
10	16QAM	25	0	19.98	19.87	19.75			
10	16QAM	25	12	19.78	19.78	19.77	20.0	0	
10	16QAM	25	25	19.91	19.84	19.83			
10	16QAM	50	0	19.81	19.82	19.82			
10	64QAM	1	0	19.91	19.75	19.75	20.0	0	
10	64QAM	1	28	19.81	19.75	19.75			
10	64QAM	1	48	19.84	19.85	19.85			
10	64QAM	25	0	19.88	19.82	19.82			
10	64QAM	25	12	19.83	19.83	19.83	20.0	0	
10	64QAM	25	25	19.03	19.86	19.82			
10	64QAM	50	0	19.74	19.75	19.86			
10	256QAM	1	0	19.74	19.20	19.20	18.6	2	
10	256QAM	1	25	19.08	19.20	19.24			
10	256QAM	1	48	19.08	19.21	19.20			
10	256QAM	25	0	19.08	19.07	19.08			
10	256QAM	25	12	19.08	19.07	19.08	20.0	0	
10	256QAM	25	25	19.02	19.20	19.21			
10	256QAM	50	0	19.02	19.14	19.12			
Channel									
Frequency (MHz)									
5	QPSK	1	0	19.07	19.07	19.04	20.0	0	
5	QPSK	1	12	19.06	19.07	19.06			
5	QPSK	1	24	19.01	19.75	19.85			
5	QPSK	12	0	20.02	19.88	19.83			
5	QPSK	12	7	19.89	19.77	19.74	20.0	0	
5	QPSK	12	13	19.94	19.88	19.82			
5	QPSK	25	0	19.86	19.85	19.84			
5	16QAM	1	0	19.84	19.85	19.87	20.0	0	
5	16QAM	1	12	19.74	19.75	19.77			
5	16QAM	1	24	19.77	19.86	19.77			
5	16QAM	12	0	19.82	19.84	19.77			
5	16QAM	12	7	19.78	19.83	19.80	20.0	0	
5	16QAM	12	13	19.97	19.88	19.80			
5	16QAM	25	0	20.01	20.03	19.83			
5	64QAM	1	0	19.78	19.81	19.77	20.0	0	
5	64QAM	1	12	19.86	19.79	19.80			
5	64QAM	1	24	19.79	19.79	19.79			
5	64QAM	12	0	19.87	19.85	19.87			
5	64QAM	12	7	19.80	19.87	19.88	20.0	0	
5	64QAM	12	13	19.90	19.84	19.85			
5	64QAM	25	0	19.81	19.49	19.58			
5	256QAM	1	0	19.77	19.20	19.20	18.6	2	
5	256QAM	1	12	19.10	19.21	19.21			
5	256QAM	1	24	19.10	19.24	19.10			
5	256QAM	12	0	19.10	19.20	19.10			
5	256QAM	12	7	19.10	19.10	19.14	18.6	2	
5	256QAM	12	13	19.08	19.11	19.10			
5	256QAM	25	0	19.07	19.08	19.10			
Channel									
Frequency (MHz)									
0.4	QPSK	1	0	19.91	19.92	19.89	20.0	0	
0.4	QPSK	1	3	19.72	19.82	19.74			
0.4	QPSK	1	5	19.86	19.78	19.84			
0.4	QPSK	3	0	19.88	19.85	19.84	20.0	0	
0.4	QPSK	3	1	19.82	19.84	19.83			
0.4	QPSK	3	3	19.91	19.91	19.86			
0.4	QPSK	6	0	19.82	19.79	19.84	20.0	0	
0.4	QPSK	6	3	19.85	19.85	19.85			
0.4	16QAM	1	0	19.75	19.78	19.81			
0.4	16QAM	1	3	19.76	19.80	19.78	20.0	0	
0.4	16QAM	1	6	19.78	19.88	19.78			
0.4	16QAM	3	0	19.78	19.87	19.80			
0.4	16QAM	3	3	19.78	19.87	19.80			
0.4	16QAM	6	0	19.76	19.86	19.80	20.0	0	
0.4	16QAM	6	3	19.80	19.80	19.80			
0.4	16QAM	6	6	19.79	19.80	19.80			
0.4	16QAM	12	0	19.86	19.86	19.86			
0.4	16QAM	12	3	19.74	19.87	19.78	20.0	0	
0.4	16QAM	12	6	19.87	19.87	19.87			
0.4	16QAM	12	9	19.71	19.88	19.81			
0.4	16QAM	12	12	19.88	19.88	19.88	20.0	0	
0.4	16QAM	12	15	19.78	19.87	19.87			
0.4	16QAM	12	18	19.78	19.87	19.87			
0.4	16QAM	12	21	19.78	19.87	19.87			
0.4	16QAM	12	24	19.78	19.87	19.87			
0.4	16QAM	12	27	19.78	19.87	19.87			
0.4	16QAM	12	30	19.78	19.87	19.87			
0.4	16QAM	12	33	19.78	19.87	19.87			
0.4	16QAM	12	36	19.78	19.87	19.87			
0.4	16QAM	12	39	19.78	19.87	19.87			
0.4	16QAM	12	42	19.78	19.87	19.87			
0.4	16QAM	12	45	19.78	19.87	19.87			
0.4	16QAM	12	48	19.78	19.87	19.87			
0.4	16QAM	12	51	19.78	19.87	19.87			
0.4	16QAM	12	54	19.78	19.87	19.87			
0.4	16QAM	12	57	19.78	19.87	19.87			
0.4	16QAM	12	60	19.78	19.87	19.87			
0.4	16QAM	12	63	19.78	19.87	19.87			
0.4	16QAM	12	66	19.78	19.87	19.87			
0.4	16QAM	12	69	19.78	19.87	19.87			
0.4	16QAM	12	72	19.78	19.87	19.87			
0.4	16QAM	12	75	19.78	19.87	19.87			
0.4	16QAM	12	78	19.78	19.87	19.87			
0.4	16QAM	12	81	19.78	19.87	19.87			
0.4	16QAM	12	84	19.78	19.87	19.87			
0.4	16QAM	12	87	19.78	19.87	19.87			
0.4	16QAM	12	90	19.78	19.87	19.87			
0.4	16QAM	12	93	19.78	19.87	19.87			
0.4	16QAM	12	96	19.78</					

Band 7 Ant1 Standalone											
RF B/W	Modulation	RF Size	RF Offset	Power Level	Power Min(dBm)	Power Max(dBm)	Time-to-Acquire (ms)	APR (dB)			
Channel											
Frequency (MHz)				2310	2335	2350					
20	QPSK	1	0	19.97	20.03	20.00	21.8	0			
20	QPSK	1	40	19.94	20.12	20.06					
20	QPSK	1	80	19.79	20.02	19.95					
20	QPSK	50	0	19.98	20.07	20.04	21.8	0			
20	QPSK	50	20	20.01	19.99	20.00					
20	QPSK	50	40	19.99	20.04	20.01					
20	16QAM	1	0	20.01	20.16	20.01	21.8	0			
20	16QAM	1	40	19.93	20.13	19.86					
20	16QAM	1	80	19.82	20.12	20.12					
20	16QAM	50	0	20.05	20.13	19.99	21.8	0			
20	16QAM	50	20	19.96	19.74	19.76					
20	16QAM	50	40	19.95	19.90	20.00					
20	16QAM	100	0	20.02	19.82	19.87	21.8	0			
20	16QAM	1	0	19.80	20.13	20.00					
20	16QAM	1	40	19.91	19.95	20.00					
20	16QAM	1	80	19.75	19.86	19.85	21.8	0			
20	16QAM	50	0	20.12	19.77	20.01					
20	16QAM	50	20	19.91	19.84	20.01					
20	16QAM	50	40	19.94	19.87	19.87	21.8	0			
20	16QAM	100	0	19.83	20.14	19.85					
20	16QAM	1	0	19.84	19.87	19.87					
20	16QAM	1	40	19.76	19.80	19.83	20	1.6			
20	16QAM	1	80	19.77	19.84	19.80					
20	256QAM	50	0	19.85	19.87	19.82					
20	256QAM	50	20	19.81	19.80	19.78	20	1.6			
20	256QAM	50	40	19.75	19.76	19.85					
20	256QAM	100	0	19.78	19.85	19.84					
Channel											
Frequency (MHz)				2355	2355	2355.5	Time-to-Acquire (ms)	APR (dB)			
15	QPSK	1	0	19.93	20.17	19.97	21.8	0			
15	QPSK	1	40	19.82	20.05	20.00					
15	QPSK	1	74	19.67	19.99	19.93					
15	QPSK	36	0	19.67	19.93	19.84	21.8	0			
15	QPSK	36	20	20.00	19.82	19.86					
15	QPSK	36	40	19.76	19.88	19.82					
15	QPSK	72	0	19.78	20.06	19.84	21.8	0			
15	16QAM	1	0	19.66	20.00	19.82					
15	16QAM	1	40	19.48	19.87	19.81					
15	16QAM	1	74	19.66	19.90	20.08	21.8	0			
15	16QAM	36	0	20.00	19.82	19.86					
15	16QAM	36	20	19.87	19.87	19.85					
15	16QAM	36	40	19.80	19.89	19.89	21.8	0			
15	16QAM	72	0	19.66	19.77	19.86					
15	16QAM	1	0	19.86	19.95	19.89					
15	16QAM	1	40	19.68	19.83	19.81	21.8	0			
15	16QAM	1	74	19.67	19.78	19.78					
15	16QAM	36	0	19.82	19.86	19.86					
15	16QAM	36	20	19.80	19.89	19.89	21.8	0			
15	16QAM	72	0	19.62	19.83	19.79					
15	16QAM	72	0	19.74	19.86	19.78					
15	256QAM	1	0	19.64	19.88	19.81	20	1.6			
15	256QAM	1	40	19.70	19.79	19.78					
15	256QAM	1	74	19.75	19.68	19.61					
15	256QAM	36	0	19.80	19.80	19.80	20	1.6			
15	256QAM	36	20	19.71	19.81	19.75					
15	256QAM	36	40	19.64	19.82	19.77					
15	256QAM	72	0	19.77	19.81	19.81	20	1.6			
Channel				2355	2355	2355.5					
Frequency (MHz)				2355	2355	2355.5	Time-to-Acquire (ms)	APR (dB)			
10	QPSK	1	0	19.94	20.27	19.85	21.8	0			
10	QPSK	1	20	19.86	19.86	19.87					
10	QPSK	1	40	19.69	19.83	19.91					
10	QPSK	20	0	19.62	19.87	19.85	21.8	0			
10	QPSK	20	12	19.67	19.86	19.86					
10	QPSK	20	24	19.66	19.80	19.83					
10	QPSK	50	0	19.63	19.99	19.80	21.8	0			
10	16QAM	1	0	19.80	20.13	19.86					
10	16QAM	1	20	19.78	20.02	19.74					
10	16QAM	1	40	19.61	19.80	19.82	21.8	0			
10	16QAM	20	0	19.80	20.12	19.84					
10	16QAM	20	20	19.89	19.83	19.89					
10	16QAM	20	20	19.89	19.83	20.04	21.8	0			
10	16QAM	50	0	19.62	19.84	19.83					
10	16QAM	1	0	19.81	19.90	19.86					
10	16QAM	1	20	19.80	19.85	19.80	21.8	0			
10	16QAM	1	40	19.76	19.79	19.78					
10	16QAM	20	0	19.86	19.86	19.86					
10	16QAM	20	20	19.85	19.86	19.86	21.8	0			
10	16QAM	50	0	19.63	19.82	19.82					
10	16QAM	50	20	19.81	19.82	19.82					
10	16QAM	50	40	19.66	19.86	19.79	21.8	0			
10	256QAM	1	0	19.66	19.86	19.86					
10	256QAM	1	20	19.70	19.73	19.75					
10	256QAM	1	40	19.71	19.84	19.80	20	1.6			
10	256QAM	20	0	19.82	19.84	19.72					
10	256QAM	20	20	19.76	19.89	19.77					
10	256QAM	20	20	19.69	19.82	19.79	20	1.6			
Channel				2355	2355	2355.5					
Frequency (MHz)				2355.5	2355	2355.5	Time-to-Acquire (ms)	APR (dB)			
5	QPSK	1	0	19.86	20.15	19.94	21.8	0			
5	QPSK	1	12	19.63	20.04	19.98					
5	QPSK	1	24	19.65	19.84	19.89					
5	QPSK	10	0	19.89	20.06	20.01	21.8	0			
5	QPSK	10	7	19.88	19.87	19.84					
5	QPSK	12	7	19.88	19.87	19.84					
5	QPSK	12	13	19.89	20.03	19.87	21.8	0			
5	16QAM	1	0	19.78	19.89	19.73					
5	16QAM	1	0	19.62	20.11	19.86					
5	16QAM	1	12	19.79	20.00	19.79	21.8	0			
5	16QAM	1	24	19.62	20.16	20.03					
5	16QAM	12	0	19.66	19.94	19.82					
5	16QAM	12	7	19.82	19.84	19.85	21.8	0			
5	16QAM	12	13	19.84	19.93	19.77					
5	16QAM	12	13	19.85	19.94	19.82					
5	16QAM	1	0	19.78	19.89	19.84	20	1.6			
5	256QAM	1	12	19.67	19.72	19.72					
5	256QAM	1	24	19.67	19.79	19.79					
5	256QAM	12	0	19.75	19.86	19.83	20	1.6			
5	256QAM	12	7	19.77	19.77	19.75					
5	256QAM	12	13	19.75	19.80	19.75					
5	256QAM	12	13	19.82	19.80	19.75	20	1.6			
5	256QAM	20	0	19.77	19.77	19.75					
5	256QAM	20	7	19.82	19.80	19.75					

Band 2 Ant1 Simultaneous											
SR (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. 1 (dBm)	Power Level Ch. 2 (dBm)	Power Level Ch. 3 (dBm)	Turn-on Time (ms)	APRS (dB)			
Channel											
				1500	1500	1500					
20	QPSK	1	0	18.00	18.00	17.98	10	0			
20	QPSK	1	49	18.03	17.92	18.03	10	1	0		
20	QPSK	1	99	17.93	17.94	17.94	10	0			
20	QPSK	50	0	18.00	18.00	17.98	10	0			
20	QPSK	50	24	18.00	17.92	17.94	10	1	0		
20	QPSK	50	50	17.89	17.87	18.01	10	0			
20	QPSK	100	0	17.89	17.89	17.89	10	0			
20	16QAM	1	0	17.89	17.93	17.93	10	0			
20	16QAM	1	49	17.97	18.04	17.91	10	1	0		
20	16QAM	1	99	17.92	18.01	17.99	10	0			
20	16QAM	50	0	17.92	17.92	17.92	10	0			
20	16QAM	50	24	17.92	17.92	17.95	10	1	0		
20	16QAM	50	50	17.83	17.90	17.98	10	0			
20	16QAM	100	0	17.83	17.83	17.83	10	0			
20	256QAM	1	0	18.03	18.01	17.97	10	0			
20	256QAM	1	49	18.03	18.02	17.98	10	1	0		
20	256QAM	1	99	18.00	18.00	17.98	10	0			
20	256QAM	50	0	18.00	17.91	17.92	10	0			
20	256QAM	50	24	17.98	17.87	17.77	10	1	0		
20	256QAM	50	50	17.94	17.92	17.94	10	0			
20	256QAM	100	0	17.81	17.83	17.86	10	0			
Channel											
				1500	1500	1500	Turn-on Time (ms)	APRS (dB)			
15	QPSK	1	0	17.88	17.88	17.88	10	0			
15	QPSK	1	37	17.87	17.84	17.83	10	1	0		
15	QPSK	1	74	17.88	17.88	17.88	10	0			
15	QPSK	36	0	17.88	17.88	17.88	10	0			
15	QPSK	36	20	17.88	17.82	17.84	10	0			
15	QPSK	36	50	17.74	17.78	17.82	10	0			
15	QPSK	75	0	17.72	17.86	17.82	10	0			
15	16QAM	1	0	17.92	17.86	17.86	10	0			
15	16QAM	1	37	17.85	17.85	17.85	10	1	0		
15	16QAM	1	74	17.77	17.83	17.81	10	0			
15	16QAM	36	0	17.80	17.82	17.80	10	0			
15	16QAM	36	20	17.78	17.78	17.80	10	0			
15	16QAM	36	50	17.95	17.82	17.82	10	0			
15	16QAM	75	0	17.74	17.80	17.80	10	0			
15	16QAM	1	0	17.92	17.82	17.82	10	0			
15	16QAM	1	37	17.80	17.78	17.80	10	0			
15	16QAM	1	74	17.77	17.81	17.81	10	0			
15	16QAM	36	0	17.95	17.86	17.85	10	0			
15	16QAM	36	20	17.84	17.78	17.86	10	0			
15	16QAM	36	50	17.97	17.72	17.80	10	0			
15	16QAM	75	0	17.78	17.87	17.82	10	0			
15	256QAM	1	0	18.01	17.86	17.86	10	0			
15	256QAM	1	37	17.98	17.92	17.98	10	1	0		
15	256QAM	1	74	17.81	17.77	17.78	10	0			
15	256QAM	36	0	17.88	17.71	17.77	10	0			
15	256QAM	36	20	17.80	17.80	17.82	10	0			
15	256QAM	36	50	17.85	17.88	17.88	10	0			
15	256QAM	75	0	17.78	17.88	17.82	10	0			
Channel											
				1500	1500	1500	Turn-on Time (ms)	APRS (dB)			
10	QPSK	1	0	17.88	17.88	17.88	10	0			
10	QPSK	1	25	17.88	17.87	17.88	10	1	0		
10	QPSK	1	49	17.74	17.86	17.82	10	0			
10	QPSK	25	0	18.01	17.94	17.86	10	0			
10	QPSK	25	12	17.92	17.82	17.88	10	0			
10	QPSK	25	25	17.85	17.88	17.88	10	0			
10	QPSK	50	0	17.76	17.76	17.77	10	0			
10	16QAM	1	0	17.78	17.82	17.88	10	0			
10	16QAM	1	25	17.88	17.88	17.79	10	1	0		
10	16QAM	1	49	17.80	17.82	17.82	10	0			
10	16QAM	25	0	17.88	17.88	17.82	10	0			
10	16QAM	25	12	17.88	17.88	17.88	10	0			
10	16QAM	25	25	17.86	17.82	17.87	10	0			
10	16QAM	50	0	17.72	17.78	17.82	10	0			
Channel											
				1500	1500	1500	Turn-on Time (ms)	APRS (dB)			
5	QPSK	1	0	17.87	17.87	17.88	10	0			
5	QPSK	1	12	17.88	17.88	17.88	10	0			
5	QPSK	1	24	17.87	17.80	17.82	10	0			
5	QPSK	12	0	18.00	18.00	17.88	10	0			
5	QPSK	12	7	17.87	17.78	17.71	10	0			
5	QPSK	12	13	17.75	17.82	17.88	10	0			
5	QPSK	25	0	17.84	17.78	17.88	10	0			
5	16QAM	1	0	17.82	17.81	17.87	10	0			
5	16QAM	1	12	17.82	17.88	17.88	10	0			
5	16QAM	1	24	17.77	17.87	17.84	10	0			
5	16QAM	12	0	17.80	17.79	17.82	10	0			
5	16QAM	12	7	17.79	17.79	17.82	10	0			
5	16QAM	12	13	17.82	17.86	17.87	10	0			
5	16QAM	25	0	17.81	17.75	17.82	10	0			
5	256QAM	1	0	18.01	17.87	17.87	10	0			
5	256QAM	1	12	17.84	17.82	17.87	10	1	0		
5	256QAM	1	24	17.77	17.87	17.84	10	0			
5	256QAM	12	0	17.80	17.79	17.82	10	0			
5	256QAM	12	7	17.80	17.79	17.82	10	0			
5	256QAM	12	13	17.82	17.86	17.87	10	0			
5	256QAM	25	0	17.81	17.75	17.82	10	0			
5	256QAM	12	7	17.82	17.79	17.78	10	1	0		
5	256QAM	12	13	17.82	17.78	17.86	10	0			
Channel											
				1500	1500	1500	Turn-on Time (ms)	APRS (dB)			
3	QPSK	1	0	18.01	18.00	18.00	10	0			
3	QPSK	1	0	18.03	17.97	17.97	10	1	0		
3	QPSK	1	14	17.82	17.87	17.87	10	0			
3	QPSK	1	28	17.82	17.87	17.87	10	0			
3	QPSK	8	0	17.92	17.90	17.93	10	0			
3	QPSK	8	7	17.74	17.83	17.83	10	0			
3	QPSK	15	0	17.86	17.81	17.74	10	0			
3	QPSK	15	7	17.79	17.82	17.82	10	0			
3	16QAM	1	0	17.77	17.86	17.86	10	1	0		
3	16QAM	1	14	17.84	17.88	17.88	10	0			
3	16QAM	8	0	17.88	17.88	17.88	10	0			
3	16QAM	8	4	17.78	17.88	17.74	10	1	0		
3	16QAM	8	7	17.82	17.81	17.83	10	0			
3	16QAM	15	0	17.83	17.83	17.83	10	0			
3	16QAM	1	0	18.00	17.98	17.98	10	0			
3	16QAM	1	8	17.86	17.86	17.87	10	0			
3	16QAM	1	14	17.83	17.82	17.86	10	0			
3	16QAM	8	0	17.82	17.82	17.82	10	0			
3	16QAM	8	4	17.86	17.76	17.87	10	1	0		
3	16QAM	8	7	17.77	17.87	17.87	10	0			
3	256QAM	1	0	18.00	17.86	17.86	10	0			
3	256QAM	1	8	17.88	17.81	17.88	10	1	0		
3	256QAM	1	8	17.80	17.86	17.87	10	0			
3	256QAM	8	0	17.79	17.81	17.81	10	0			
3	256QAM	8	13	17.88	17.91	17.84	10	0			
3	256QAM	8	4	17.86	17.74	17.82	10	1	0		
3	256QAM	8	7	17.77	17.76	17.84	10	0			
Channel											
				1500	1500	1500	Turn-on Time (ms)	APRS (dB)			
1.4	QPSK	1	0	18.01	18.00	18.00	10	0			
1.4	QPSK	1	3	17.93	17.97	17.97	10	1	0		
1.4	QPSK	1	3	17.82	17.82	17.84	10	0			
1.4	QPSK	1	3	17.82	17.81	17.81	10	0			
1.4	QPSK	3	0	17.71	17.82	17.89	10	0			
1.4	QPSK	3	0	17.76	17.87	17.81	10	1	0		
1.4	16QAM	1	0	17.74	17.81	17.83	10	0			
1.4	16QAM	1	3	17.79	17.88	17.89	10	1	0		
1.4	16QAM	1	3	17.79	17.81	17.81	10	0			
1.4	16QAM	3	0	17.79	17.74	17.78	10	0			
1.4	16QAM	3	3	17.81	17.88	17.88	10	1	0		
1.4	16QAM	3	3	17.81	17.88	17.88	10	0			
1.4	16QAM	3	3	17.80	17.80	17.80	10	0			
1.4	16QAM	3	3	17.82	17.80	17.80	10	1	0		
1.4	256QAM	1	0	17.88	17.86	17.76	10	0			
1.4	256QAM	1	3	17.85	17.87	17.88	10	1	0		
1.4	256QAM	3	0	17.85	17.86	17.76	10	0			
1.4	256QAM	3	3	17.81	17.82	17.82	10	1	0		

Band 7 Ant1 Simultaneous												
RF B/W	Modulation	RF Size	RF Offset	Power Level	Power Min	Power Max	Time-to-Acq. (ms)	MFR (MHz)				
Channel												
Frequency (MHz)				2350	2370	2390	Time-to-Acq. (ms)	MFR (MHz)				
20	QPSK	1	0	18.34	18.33	18.29	20.1	0				
20	QPSK	1	40	18.29	18.33	18.37						
20	QPSK	1	80	18.26	18.29	18.45						
20	QPSK	50	0	18.32	18.44	18.42	20.1	0				
20	QPSK	50	20	18.34	18.27	18.41						
20	QPSK	50	40	18.35	18.40	18.28						
20	QPSK	100	0	18.16	18.36	18.36	20.1	0				
20	16QAM	1	0	18.34	18.29	18.34						
20	16QAM	1	40	18.21	18.32	18.15						
20	16QAM	1	80	18.21	18.29	18.28	20.1	0				
20	16QAM	50	0	18.27	18.37	18.25						
20	16QAM	50	20	18.17	18.36	18.25						
20	16QAM	50	40	18.22	18.32	18.22	20.1	0				
20	16QAM	100	0	18.22	18.26	18.26						
20	16QAM	1	0	18.30	18.23	18.23						
20	16QAM	1	40	18.35	18.23	18.27	20.1	0				
20	16QAM	1	80	18.25	18.31	18.23						
20	16QAM	50	0	18.29	18.27	18.25						
20	16QAM	50	20	18.18	18.27	18.33	20.1	0				
20	16QAM	50	40	18.25	18.27	18.22						
20	16QAM	100	0	18.22	18.22	18.22						
20	25QAM	1	0	18.27	18.33	18.27	20	0.1				
20	25QAM	1	40	18.17	18.28	18.34						
20	25QAM	1	80	18.21	18.34	18.34						
20	25QAM	50	0	18.28	18.22	18.28	20	0.1				
20	25QAM	50	20	18.28	18.22	18.16						
20	25QAM	50	40	18.23	18.36	18.27						
20	25QAM	100	0	18.23	18.36	18.27						
Channel												
Frequency (MHz)				2395	2415	2435	Time-to-Acq. (ms)	MFR (MHz)				
15	QPSK	1	0	18.48	18.48	18.34	20.1	0				
15	QPSK	1	40	18.37	18.44	18.34						
15	QPSK	1	74	18.43	18.29	18.44						
15	QPSK	36	0	18.39	18.34	18.44	20.1	0				
15	QPSK	36	20	18.33	18.49	18.49						
15	QPSK	36	40	18.46	18.44	18.28						
15	QPSK	72	0	18.18	18.38	18.46	20.1	0				
15	16QAM	1	0	18.43	18.39	18.46						
15	16QAM	1	40	18.35	18.39	18.15						
15	16QAM	1	74	18.36	18.42	18.48	20.1	0				
15	16QAM	36	0	18.29	18.49	18.43						
15	16QAM	36	20	18.38	18.46	18.45						
15	16QAM	36	40	18.27	18.47	18.35	20.1	0				
15	16QAM	72	0	18.29	18.31	18.36						
15	16QAM	1	0	18.44	18.44	18.36						
15	16QAM	1	40	18.31	18.28	18.42	20.1	0				
15	16QAM	1	74	18.25	18.49	18.29						
15	16QAM	36	0	18.47	18.37	18.42						
15	16QAM	36	20	18.28	18.34	18.35	20.1	0				
15	16QAM	36	40	18.37	18.41	18.42						
15	16QAM	72	0	18.37	18.41	18.38						
15	25QAM	1	0	18.43	18.42	18.25	20	0.1				
15	25QAM	1	40	18.28	18.49	18.31						
15	25QAM	1	74	18.40	18.44	18.44						
15	25QAM	36	0	18.47	18.37	18.42	20	0.1				
15	25QAM	36	20	18.42	18.24	18.46						
15	25QAM	36	40	18.31	18.39	18.27						
15	25QAM	72	0	18.34	18.44	18.24						
Channel												
Frequency (MHz)				2402.5	2420	2437.5	Time-to-Acq. (ms)	MFR (MHz)				
10	QPSK	1	0	18.42	18.44	18.41	20.1	0				
10	QPSK	1	20	18.35	18.45	18.48						
10	QPSK	1	40	18.38	18.44	18.35						
10	QPSK	25	0	18.42	18.44	18.49	20.1	0				
10	QPSK	25	12	18.38	18.33	18.44						
10	QPSK	25	25	18.43	18.42	18.26						
10	QPSK	50	0	18.24	18.44	18.32	20.1	0				
10	16QAM	1	0	18.43	18.39	18.44						
10	16QAM	1	40	18.45	18.34	18.14						
10	16QAM	1	40	18.45	18.31	18.48	20.1	0				
10	16QAM	25	0	18.27	18.45	18.31						
10	16QAM	25	20	18.27	18.42	18.35						
10	16QAM	25	40	18.25	18.27	18.45	20.1	0				
10	16QAM	50	0	18.21	18.25	18.41						
10	16QAM	50	20	18.27	18.35	18.47						
10	16QAM	1	0	18.43	18.43	18.48	20.1	0				
10	16QAM	1	40	18.42	18.44	18.46						
10	16QAM	25	0	18.47	18.43	18.35						
10	16QAM	25	12	18.25	18.33	18.41	20.1	0				
10	16QAM	25	25	18.33	18.26	18.31						
10	16QAM	25	40	18.25	18.38	18.21						
10	16QAM	50	0	18.40	18.34	18.27	20	0.1				
10	25QAM	1	0	18.25	18.44	18.46						
10	25QAM	1	40	18.28	18.49	18.49						
10	25QAM	25	0	18.43	18.36	18.47	20	0.1				
10	25QAM	25	12	18.28	18.36	18.47						
10	25QAM	25	25	18.34	18.41	18.22						
10	25QAM	50	0	18.38	18.40	18.36	20	0.1				
Channel												
Frequency (MHz)				2407.5	2425	2442.5	Time-to-Acq. (ms)	MFR (MHz)				
5	QPSK	1	0	18.36	18.37	18.42	20.1	0				
5	QPSK	1	12	18.34	18.44	18.38						
5	QPSK	1	24	18.31	18.28	18.48						
5	QPSK	12	0	18.28	18.46	18.42	20.1	0				
5	QPSK	12	6	18.38	18.33	18.45						
5	QPSK	12	18	18.41	18.34	18.30						
5	QPSK	25	0	18.25	18.39	18.32	20.1	0				
5	QPSK	25	6	18.29	18.38	18.41						
5	QPSK	25	12	18.38	18.33	18.29						
5	QPSK	1	12	18.27	18.42	18.12	20.1	0				
5	16QAM	1	24	18.45	18.24	18.29						
5	16QAM	1	24	18.45	18.24	18.29						
5	16QAM	12	0	18.27	18.48	18.25	20.1	0				
5	16QAM	12	12	18.44	18.24	18.44						
5	16QAM	12	24	18.35	18.35	18.34						
5	16QAM	1	0	18.42	18.42	18.48	20.1	0				
5	16QAM	1	12	18.38	18.25	18.43						
5	16QAM	1	24	18.25	18.43	18.47						
5	16QAM	12	0	18.27	18.42	18.27	20.1	0				
5	16QAM	12	12	18.35	18.32	18.30						
5	16QAM	12	24	18.26	18.47	18.27						
5	25QAM	1	12	18.27	18.40	18.38	20	0.1				
5	25QAM	1	24	18.26	18.40	18.42						
5	25QAM	12	0	18.17	18.41	18.41						
5	25QAM	12	12	18.37	18.21	18.21	20	0.1				
5	25QAM	12	24	18.31	18.37	18.26						
5	25QAM	12	24	18.24	18.27	18.27						

Band 48 Ant2 Standalone										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	22.42	22.44	22.54	22.47	24	0	
20	QPSK	1	49	22.34	22.38	22.48	22.42			
20	QPSK	1	99	22.33	22.27	22.42	22.31			
20	QPSK	50	0	21.44	21.41	21.55	21.45			
20	QPSK	50	24	21.20	21.24	21.35	21.16	23	1	
20	QPSK	50	50	21.34	21.33	21.43	21.35			
20	QPSK	100	0	21.25	21.27	21.41	21.36			
20	16QAM	1	0	21.34	21.40	21.53	21.39			
20	16QAM	1	49	21.28	21.21	21.40	21.31	23	1	
20	16QAM	1	99	21.27	21.26	21.39	21.25			
20	16QAM	50	0	20.44	20.40	20.57	20.45			
20	16QAM	50	24	20.33	20.19	20.39	20.24			
20	16QAM	50	50	20.38	20.39	20.48	20.36	22	2	
20	16QAM	100	0	20.32	20.31	20.37	20.20			
20	64QAM	1	0	20.34	20.26	20.44	20.31			
20	64QAM	1	49	20.30	20.21	20.36	20.19			
20	64QAM	1	99	20.14	20.19	20.27	20.21	22	2	
20	64QAM	50	0	19.36	19.45	19.56	19.36			
20	64QAM	50	24	19.34	19.30	19.49	19.43			
20	64QAM	50	50	19.38	19.24	19.43	19.22			
20	64QAM	100	0	19.33	19.31	19.51	19.39	21	3	
20	256QAM	1	0	17.35	17.49	17.35	17.51			
20	256QAM	1	49	17.20	17.36	17.14	17.35			
20	256QAM	1	99	17.32	17.39	17.28	17.37			
20	256QAM	50	0	17.22	17.33	17.23	17.36	19	5	
20	256QAM	50	24	17.27	17.14	17.29	17.08			
20	256QAM	50	50	17.11	17.19	17.10	17.30			
20	256QAM	100	0	17.28	17.13	17.24	17.15			
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.5	3608	3642	3692.5			
15	QPSK	1	0	22.32	22.32	22.43	22.30	24	0	
15	QPSK	1	37	22.26	22.21	22.37	22.22			
15	QPSK	1	74	22.23	22.16	22.24	22.24			
15	QPSK	36	0	21.36	21.34	21.35	21.38			
15	QPSK	36	20	21.07	21.07	21.15	21.01	23	1	
15	QPSK	36	39	21.24	21.21	21.24	21.21			
15	QPSK	75	0	21.20	21.08	21.27	21.24			
15	16QAM	1	0	21.21	21.24	21.35	21.28			
15	16QAM	1	37	21.11	21.14	21.26	21.20	23	1	
15	16QAM	1	74	21.09	21.19	21.22	21.04			
15	16QAM	36	0	20.31	20.26	20.45	20.37			
15	16QAM	36	20	20.20	20.14	20.32	20.12			
15	16QAM	36	39	20.22	20.30	20.33	20.20	22	2	
15	16QAM	75	0	20.23	20.23	20.23	20.13			
15	64QAM	1	0	20.18	20.11	20.25	20.11			
15	64QAM	1	37	20.24	20.10	20.19	20.10			
15	64QAM	1	74	20.08	20.14	20.16	20.01	22	2	
15	64QAM	36	0	19.22	19.34	19.45	19.18			
15	64QAM	36	20	19.27	19.16	19.33	19.35			
15	64QAM	36	39	19.28	19.15	19.27	19.06			
15	64QAM	75	0	19.12	19.14	19.43	19.34	21	3	
15	256QAM	1	0	17.33	17.48	17.29	17.41			
15	256QAM	1	37	17.16	17.32	17.11	17.29			
15	256QAM	1	74	17.25	17.39	17.20	17.35			
15	256QAM	36	0	17.14	17.25	17.14	17.32	19	5	
15	256QAM	36	20	17.27	17.11	17.20	17.19			
15	256QAM	36	39	17.04	17.10	17.20	17.26			
15	256QAM	75	0	17.24	17.11	17.15	17.11			
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3607.5	3642.5	3695			
10	QPSK	1	0	22.35	22.33	22.36	22.26	24	0	
10	QPSK	1	25	22.13	22.25	22.39	22.32			
10	QPSK	1	49	22.24	22.10	22.36	22.16			
10	QPSK	25	0	21.39	21.20	21.38	21.37			
10	QPSK	25	12	21.06	21.18	21.14	21.00	23	1	
10	QPSK	25	25	21.15	21.17	21.29	21.17			
10	QPSK	50	0	21.12	21.07	21.21	21.18			
10	16QAM	1	0	21.27	21.34	21.42	21.22			
10	16QAM	1	25	21.20	21.02	21.31	21.24	23	1	
10	16QAM	1	49	21.10	21.12	21.20	21.14			
10	16QAM	25	0	20.32	20.35	20.41	20.25			
10	16QAM	25	12	20.25	20.11	20.27	20.06			
10	16QAM	25	25	20.21	20.22	20.35	20.17	22	2	
10	16QAM	50	0	20.20	20.19	20.31	20.09			
10	64QAM	1	0	20.23	20.13	20.38	20.26			
10	64QAM	1	25	20.20	20.14	20.23	20.05			
10	64QAM	1	49	20.12	20.21	20.19	20.12	22	2	
10	64QAM	25	0	19.17	19.35	19.44	19.27			
10	64QAM	25	12	19.27	19.14	19.34	19.30			
10	64QAM	25	25	19.27	19.06	19.29	19.11			
10	64QAM	50	0	19.16	19.13	19.43	19.28	21	3	
10	256QAM	1	0	17.33	17.41	17.34	17.43			
10	256QAM	1	25	17.21	17.31	17.15	17.30			
10	256QAM	1	49	17.32	17.38	17.26	17.33			
10	256QAM	25	0	17.15	17.24	17.16	17.31	19	5	
10	256QAM	25	12	17.28	17.04	17.28	17.00			
10	256QAM	25	25	17.08	17.10	17.10	17.27			
10	256QAM	50	0	17.22	17.10	17.24	17.04			
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	22.36	22.31	22.40	22.30	24	0	
5	QPSK	1	12	22.29	22.24	22.33	22.27			
5	QPSK	1	24	22.17	22.12	22.22	22.12			
5	QPSK	12	0	21.38	21.23	21.36	21.34			
5	QPSK	12	7	21.05	21.10	21.17	21.28	23	1	
5	QPSK	12	13	21.16	21.25	21.30	21.17			
5	QPSK	25	0	21.08	21.12	21.29	21.27			
5	16QAM	1	0	21.26	21.26	21.40	21.20			
5	16QAM	1	12	21.21	21.15	21.27	21.22	23	1	
5	16QAM	1	24	21.16	21.14	21.29	21.19			
5	16QAM	12	0	20.36	20.20	20.38	20.26			
5	16QAM	12	7	20.12	20.04	20.27	20.07			
5	16QAM	12	13	20.17	20.22	20.35	20.31	22	2	
5	16QAM	25	0	20.13	20.22	20.16	20.04			
5	64QAM	1	0	20.28	20.21	20.35	20.14			
5	64QAM	1	12	20.18	20.15	20.19	20.13			
5	64QAM	1	24	20.09	20.00	20.14	20.16	22	2	
5	64QAM	12	0	19.24	19.31	19.38	19.25			
5	64QAM	12	7	19.16	19.12	19.30	19.29			
5	64QAM	12	13	19.23	19.07	19.28	19.12			
5	64QAM	25	0	19.17	19.19	19.31	19.30	21	3	
5	256QAM	1	0	17.29	17.43	17.34	17.44			
5	256QAM	1	12	17.17	17.32	17.09	17.34			
5	256QAM	1	24	17.33	17.33	17.20	17.29			
5	256QAM	12	0	17.21	17.33	17.16	17.30	19	5	
5	256QAM	12	7	17.27	17.04	17.25	17.01			
5	256QAM	12	13	17.08	17.17	17.05	17.25			
5	256QAM	25	0	17.22	17.12	17.15	17.06			

Band 48 Ant2 Simultaneous											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3560	3609	3641	3690				
20	QPSK	1	0	22.42	22.44	22.54	22.47	24	0		
20	QPSK	1	49	22.34	22.38	22.48	22.42				
20	QPSK	1	99	22.33	22.27	22.42	22.31				
20	QPSK	50	0	21.44	21.41	21.55	21.45				
20	QPSK	50	24	21.20	21.24	21.35	21.16	23	1		
20	QPSK	50	50	21.34	21.33	21.43	21.35				
20	QPSK	100	0	21.25	21.27	21.41	21.36				
20	16QAM	1	0	21.34	21.40	21.53	21.39				
20	16QAM	1	49	21.28	21.21	21.40	21.31	23	1		
20	16QAM	1	99	21.27	21.26	21.39	21.25				
20	16QAM	50	0	20.44	20.40	20.57	20.45				
20	16QAM	50	24	20.33	20.19	20.39	20.24				
20	16QAM	50	50	20.38	20.39	20.48	20.36	22	2		
20	16QAM	100	0	20.32	20.31	20.37	20.20				
20	64QAM	1	0	20.34	20.26	20.44	20.31				
20	64QAM	1	49	20.30	20.21	20.36	20.19				
20	64QAM	1	99	20.14	20.19	20.27	20.21	22	2		
20	64QAM	50	0	19.36	19.45	19.56	19.36				
20	64QAM	50	24	19.34	19.30	19.49	19.43				
20	64QAM	50	50	19.38	19.24	19.43	19.22				
20	64QAM	100	0	19.33	19.31	19.51	19.39	21	3		
20	256QAM	1	0	17.35	17.49	17.35	17.51				
20	256QAM	1	49	17.20	17.36	17.14	17.35				
20	256QAM	1	99	17.32	17.39	17.28	17.37				
20	256QAM	50	0	17.22	17.33	17.23	17.36	19	5		
20	256QAM	50	24	17.27	17.14	17.29	17.08				
20	256QAM	50	50	17.11	17.19	17.10	17.30				
20	256QAM	100	0	17.28	17.13	17.24	17.15				
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3557.5	3608	3642	3692.5				
15	QPSK	1	0	22.32	22.32	22.43	22.30	24	0		
15	QPSK	1	37	22.26	22.21	22.37	22.22				
15	QPSK	1	74	22.23	22.16	22.24	22.24				
15	QPSK	36	0	21.36	21.34	21.35	21.38				
15	QPSK	36	20	21.07	21.07	21.15	21.01	23	1		
15	QPSK	36	39	21.24	21.21	21.24	21.21				
15	QPSK	75	0	21.20	21.08	21.27	21.24				
15	16QAM	1	0	21.21	21.24	21.35	21.28				
15	16QAM	1	37	21.11	21.14	21.26	21.20	23	1		
15	16QAM	1	74	21.09	21.19	21.22	21.04				
15	16QAM	36	0	20.31	20.26	20.45	20.37				
15	16QAM	36	20	20.20	20.14	20.32	20.12				
15	16QAM	36	39	20.22	20.30	20.33	20.20	22	2		
15	16QAM	75	0	20.23	20.23	20.23	20.13				
15	64QAM	1	0	20.18	20.11	20.25	20.11				
15	64QAM	1	37	20.24	20.10	20.19	20.10				
15	64QAM	1	74	20.08	20.14	20.16	20.01	22	2		
15	64QAM	36	0	19.22	19.34	19.45	19.18				
15	64QAM	36	20	19.27	19.16	19.33	19.35				
15	64QAM	36	39	19.28	19.15	19.27	19.06				
15	64QAM	75	0	19.12	19.14	19.43	19.34	21	3		
15	256QAM	1	0	17.33	17.48	17.29	17.41				
15	256QAM	1	37	17.16	17.32	17.11	17.29				
15	256QAM	1	74	17.25	17.39	17.20	17.35				
15	256QAM	36	0	17.14	17.25	17.14	17.32	19	5		
15	256QAM	36	20	17.27	17.11	17.20	17.19				
15	256QAM	36	39	17.04	17.10	17.20	17.26				
15	256QAM	75	0	17.24	17.11	17.15	17.11				
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3555	3607.5	3642.5	3695				
10	QPSK	1	0	22.35	22.33	22.36	22.26	24	0		
10	QPSK	1	25	22.13	22.25	22.39	22.32				
10	QPSK	1	49	22.24	22.10	22.36	22.16				
10	QPSK	25	0	21.39	21.20	21.38	21.37				
10	QPSK	25	12	21.06	21.18	21.14	21.00	23	1		
10	QPSK	25	25	21.15	21.17	21.29	21.17				
10	QPSK	50	0	21.12	21.07	21.21	21.18				
10	16QAM	1	0	21.27	21.34	21.42	21.22				
10	16QAM	1	25	21.20	21.02	21.31	21.24	23	1		
10	16QAM	1	49	21.10	21.12	21.20	21.14				
10	16QAM	25	0	20.32	20.35	20.41	20.25				
10	16QAM	25	12	20.25	20.11	20.27	20.06				
10	16QAM	25	25	20.21	20.22	20.35	20.17	22	2		
10	16QAM	50	0	20.20	20.19	20.31	20.09				
10	64QAM	1	0	20.23	20.13	20.38	20.26				
10	64QAM	1	25	20.20	20.14	20.23	20.05				
10	64QAM	1	49	20.12	20.21	20.19	20.12	22	2		
10	64QAM	25	0	19.17	19.35	19.44	19.27				
10	64QAM	25	12	19.27	19.14	19.34	19.30				
10	64QAM	25	25	19.27	19.06	19.29	19.11				
10	64QAM	50	0	19.16	19.13	19.43	19.28	21	3		
10	256QAM	1	0	17.33	17.41	17.34	17.43				
10	256QAM	1	25	17.21	17.31	17.15	17.30				
10	256QAM	1	49	17.32	17.38	17.26	17.33				
10	256QAM	25	0	17.15	17.24	17.16	17.31	19	5		
10	256QAM	25	12	17.28	17.04	17.28	17.00				
10	256QAM	25	25	17.08	17.10	17.10	17.27				
10	256QAM	50	0	17.22	17.10	17.24	17.04				
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3552.5	3607	3643	3697.5				
5	QPSK	1	0	22.36	22.31	22.40	22.30	24	0		
5	QPSK	1	12	22.29	22.24	22.33	22.27				
5	QPSK	1	24	22.17	22.12	22.22	22.12				
5	QPSK	12	0	21.38	21.23	21.36	21.34				
5	QPSK	12	7	21.05	21.10	21.17	21.28	23	1		
5	QPSK	12	13	21.16	21.25	21.30	21.17				
5	QPSK	25	0	21.08	21.12	21.29	21.27				
5	16QAM	1	0	21.26	21.26	21.40	21.20				
5	16QAM	1	12	21.21	21.15	21.27	21.22	23	1		
5	16QAM	1	24	21.16	21.14	21.29	21.19				
5	16QAM	12	0	20.36	20.20	20.38	20.26				
5	16QAM	12	7	20.12	20.04	20.27	20.07				
5	16QAM	12	13	20.17	20.22	20.35	20.31	22	2		
5	16QAM	25	0	20.13	20.22	20.16	20.04				
5	64QAM	1	0	20.28	20.21	20.35	20.14				
5	64QAM	1	12	20.18	20.15	20.19	20.13				
5	64QAM	1	24	20.09	20.00	20.14	20.16	22	2		
5	64QAM	12	0	19.24	19.31	19.38	19.25				
5	64QAM	12	7	19.16	19.12	19.30	19.29				
5	64QAM	12	13	19.23	19.07	19.28	19.12				
5	64QAM	25	0	19.17	19.19	19.31	19.30	21	3		
5	256QAM	1	0	17.29	17.43	17.34	17.44				
5	256QAM	1	12	17.17	17.32	17.09	17.34				
5	256QAM	1	24	17.33	17.33	17.20	17.29				
5	256QAM	12	0	17.21	17.33	17.16	17.30	19	5		
5	256QAM	12	7	17.27	17.04	17.25	17.01				
5	256QAM	12	13	17.08	17.17	17.05	17.25				
5	256QAM	25	0	17.22	17.12	17.15	17.06				

Uplink CA Power

Full Power Ant 0										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	22.93	24.00
132322	132520	QPSK	1	99	1	0	1	0	23.11	24.00
132572	132374	QPSK	1	0	1	99	1	0	22.99	24.00

Full Power Ant 1										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	22.62	24.00
132322	132520	QPSK	1	99	1	0	1	0	22.74	24.00
132572	132374	QPSK	1	0	1	99	1	0	22.67	24.00

Ant 1 DSI 2 Standalone										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	16.47	18.10
132322	132520	QPSK	1	0	1	99	1	0	16.43	18.10
132572	132374	QPSK	1	0	1	99	1	0	16.34	18.10

Ant 1 DSI 2 Simultaneous										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	14.95	16.80
132322	132520	QPSK	1	99	1	0	1	0	15.03	16.80
132572	132374	QPSK	1	0	1	99	1	0	14.98	16.80

Ant 0 DSI 3 Standalone										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	18.17	19.20
132322	132520	QPSK	1	99	1	0	1	0	18.26	19.20
132572	132374	QPSK	1	0	1	99	1	0	18.22	19.20

Ant 1 DSI 3 Standalone										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	18.11	19.50
132322	132520	QPSK	1	99	1	0	1	0	18.15	19.50
132572	132374	QPSK	1	0	1	99	1	0	18.03	19.50

Ant 0 DSI 3 Simultaneous										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	14.98	16.20
132322	132520	QPSK	1	99	1	0	1	0	15.05	16.20
132572	132374	QPSK	1	0	1	99	1	0	15.01	16.20

Ant 1 DSI 3 Simultaneous										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	16.2	17.70
132322	132520	QPSK	1	99	1	0	1	0	16.31	17.70
132572	132374	QPSK	1	0	1	99	1	0	16.59	17.70

Ant 0 DSI 6 Standalone										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	21.53	23.00
132322	132520	QPSK	1	0	1	99	1	0	21.69	23.00
132572	132374	QPSK	1	0	1	99	1	0	21.72	23.00

Ant 1 DSI 6 Standalone										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	19.85	21.50
132322	132520	QPSK	1	99	1	0	1	0	19.92	21.50
132572	132374	QPSK	1	0	1	99	1	0	19.87	21.50

Ant 0 DSI 6 Simultaneous										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	66734	QPSK	1	99	1	0	1	0	19.65	21.50
132322	66984	QPSK	1	0	1	99	1	0	19.73	21.50
132572	66838	QPSK	1	0	1	99	1	0	19.74	21.50

Ant 1 DSI 6 Simultaneous										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	66734	QPSK	1	99	1	0	1	0	19.61	20.00
132322	66984	QPSK	1	99	1	0	1	0	19.68	20.00
132572	66838	QPSK	1	0	1	99	1	0	19.73	20.00

Full Power Ant 0										
CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	1	24	1	0	22.36	24.00
132322	132415	QPSK	1	0	1	24	1	0	22.58	24.00
132597	132504	QPSK	1	74	1	0	1	0	22.44	24.00

Full Power Ant 1			CA_66B							
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	1	24	1	0	22.58	24.00
132322	132415	QPSK	1	0	1	24	1	0	22.54	24.00
132597	132604	QPSK	1	74	1	0	1	0	22.51	24.00

Full Power Ant 0										
CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	22.78	24.00
20525	20597	QPSK	1	49	1	0	1	0	22.83	24.00
20600	20528	QPSK	1	0	1	24	1	0	22.72	24.00

Full Power Ant 1										
CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	22.41	24.00
20525	20597	QPSK	1	49	1	0	1	0	22.58	24.00
20600	20528	QPSK	1	0	1	24	1	0	22.47	24.00

Ant 1 DSI 2 Standalone										
CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	22.33	23.50
20525	20597	QPSK	1	49	1	0	1	0	22.47	23.50
20600	20528	QPSK	1	0	1	24	1	0	22.31	23.50

Ant 1 DSI 2 Simultaneous										
CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	21.52	22.20
20525	20597	QPSK	1	49	1	0	1	0	21.56	22.20
20600	20528	QPSK	1	0	1	24	1	0	21.45	22.20

Ant 0 DSI 3 Standalone										
CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	22.78	23.50
20525	20597	QPSK	1	49	1	0	1	0	22.83	23.50
20600	20528	QPSK	1	0	1	24	1	0	22.72	23.50

Ant 0 DSI 3 Simultaneous										
CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	21.15	22.20
20525	20597	QPSK	1	49	1	0	1	0	21.2	22.20
20600	20528	QPSK	1	0	1	24	1	0	21.25	22.20

Ant 1 DSI 3 Standalone										
CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	22.85	24.00
20525	20597	QPSK	1	49	1	0	1	0	22.96	24.00
20600	20528	QPSK	1	0	1	24	1	0	22.99	24.00

Ant 1 DSI 3 Simultaneous										
CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	22.15	23.10
20525	20597	QPSK	1	49	1	0	1	0	22.26	23.10
20600	20528	QPSK	1	0	1	24	1	0	22.28	23.10

Full Power Ant 2										
CA_48C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	99	1	0	1	0	22.28	24.00
55830	56028	QPSK	1	99	1	0	1	0	22.3	24.00
56150	56348	QPSK	1	99	1	0	1	0	22.33	24.00
56640	56442	QPSK	1	0	1	99	1	0	22.31	24.00

Ant 2 DSI 3 Standalone										
CA_48C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	99	1	0	1	0	17.15	18.50
55830	56028	QPSK	1	99	1	0	1	0	17.19	18.50
56150	56348	QPSK	1	99	1	0	1	0	17.22	18.50
56640	56442	QPSK	1	0	1	99	1	0	17.18	18.50

Ant 2 DSI 3 Simultaneous										
CA_48C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	99	1	0	1	0	16.2	17.20
55830	56028	QPSK	1	99	1	0	1	0	16.22	17.20
56150	56348	QPSK	1	99	1	0	1	0	16.24	17.20
56640	56442	QPSK	1	0	1	99	1	0	16.17	17.20



Downlink CA Power

2CA DL																	
CA List		PCC								SCC					Power		
		LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
		Band	Ant	Freq. (MHz)	Channel	RB		RB	Offset		Band	Freq. (MHz)	Channel	Tx Power (dBm)		Tx Power (dBm)	
		Band	Ant	Freq. (MHz)	Channel	RB		RB	Offset		Band	Freq. (MHz)	Channel	Tx Power (dBm)		Tx Power (dBm)	
CA_4A-48A		Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	22.86	22.98
		Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	22.36	22.58



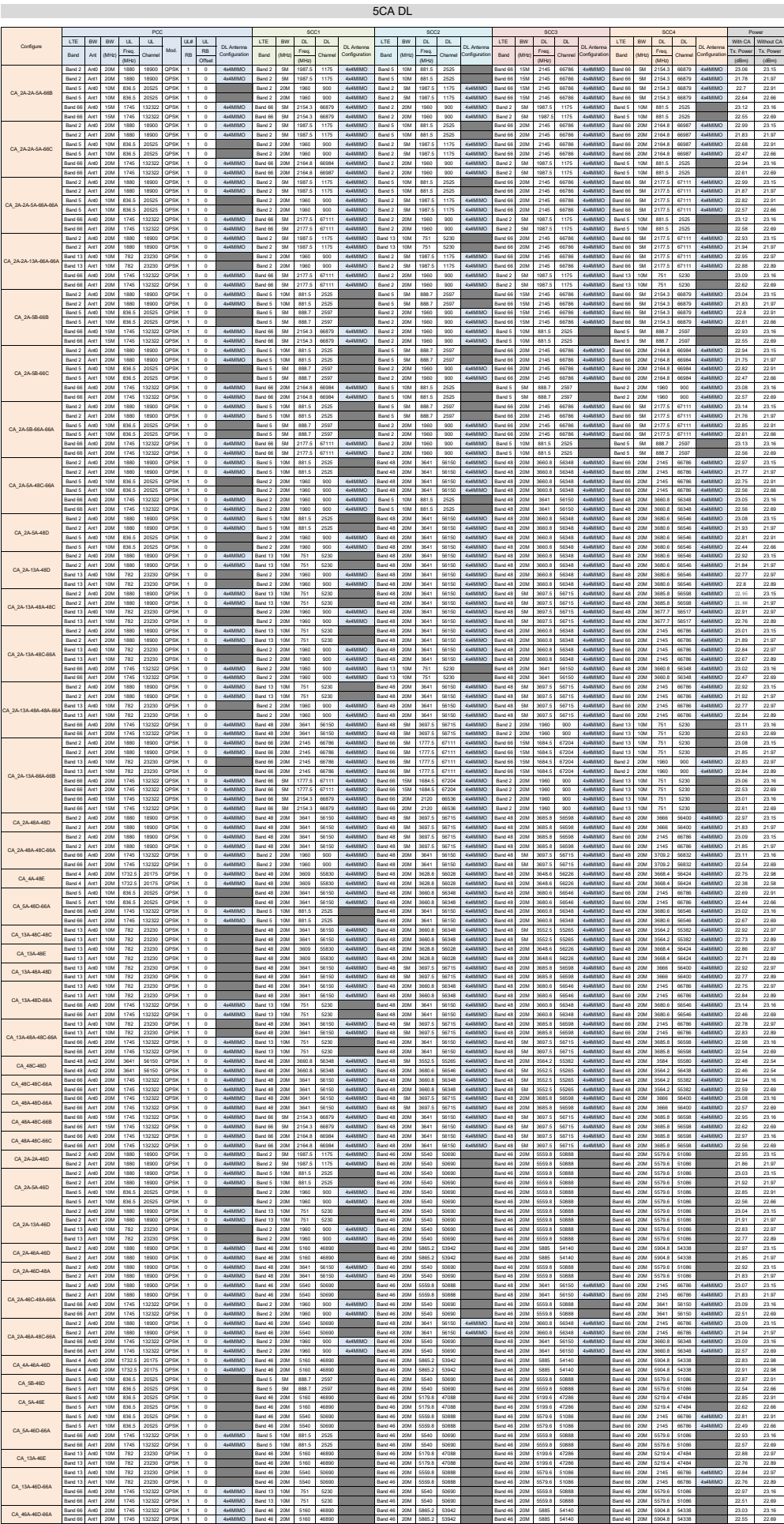
3CA DL

3CA List	PCC								SCC1				SCC2				Power				
	LTE	BW	BW	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band	Ant	(MHz)	Freq. (MHz)		Channel	RB		RB Offset	Band	(MHz)	Freq. (MHz)		Channel	Band	(MHz)	Freq. (MHz)		Channel	Tx Power (dBm)	Tx Power (dBm)
CA_2A_4A_13A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.02	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	21.87	21.97
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		22.86	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		22.43	22.58
	Band 13	Ant0	10M	752	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.83	22.97
CA_4A_4A_13A	Band 13	Ant1	10M	752	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.78	22.89
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230		22.82	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230		22.36	22.58
	Band 13	Ant0	10M	752	23230	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.77	22.97
	Band 13	Ant1	10M	752	23230	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.67	22.89
CA_4A_48C	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	22.83	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	22.41	22.58
CA_66A_66C	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 66	20M	2165.8	66994	4x4MIMO	22.94	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 66	20M	2165.8	66994	4x4MIMO	22.56	22.69
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 66	5M	2112.5	66461	4x4MIMO	23.09	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 66	5M	2112.5	66461	4x4MIMO	22.57	22.69
CA_2A_2A_46A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 46	20M	5540	50690		23.11	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 46	20M	5540	50690		21.92	21.97
CA_2A_5A_46A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 46	20M	5540	50690		23.09	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 46	20M	5540	50690		21.88	21.97
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		22.86	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		22.53	22.66
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		23.13	23.15
CA_2A_13A_46A	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		21.9	21.97
	Band 13	Ant0	10M	752	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		22.94	22.97
	Band 13	Ant1	10M	752	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		22.82	22.89
CA_4A_46A_46A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.78	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.46	22.58
CA_5B_46A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 46	20M	5540	50690		22.84	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 46	20M	5540	50690		22.62	22.66
CA_5A_46A_46A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.83	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.6	22.66
CA_13A_46C	Band 13	Ant0	10M	752	23230	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		22.92	22.97
	Band 13	Ant1	10M	752	23230	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		22.76	22.89
CA_13A_46A_46A	Band 13	Ant0	10M	752	23230	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.91	22.97
	Band 13	Ant1	10M	752	23230	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.75	22.89
CA_46A_46A_66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.98	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.53	22.69
CA_46A_48A_66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	23.07	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	22.54	22.69
CA_46A_66A_66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 46	20M	5540	50690		23.05	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 46	20M	5540	50690		22.62	22.69



4CA DL

Configure	PCC										SCC1										SCC2										SCC3										Power	
	LTE	BW	BW	UL	UL	Mod.	UL RB Offset	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA Tx Power (dBm)	Without CA Tx Power (dBm)											
	Band	Ant	(MHz)	Freq. (MHz)	Channel					Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel				Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel			
CA_2A-2A-4A-4A	Band 2	Ant0	20M	1880	1890Q	QPSK	1	0	4xMMIMO	Band 2	9M	1987.5	1175	4xMMIMO	Band 4	20M	2132.5	2175	4xMMIMO	Band 4	9M	2152.5	2375	4xMMIMO	Band 4	9M	2152.5	2375	4xMMIMO	23.02	23.15											
	Band 2	Ant1	20M	1880	1890Q	QPSK	1	0	4xMMIMO	Band 2	9M	1987.5	1175	4xMMIMO	Band 4	20M	2132.5	2175	4xMMIMO	Band 4	9M	2152.5	2375	4xMMIMO	Band 4	9M	2152.5	2375	4xMMIMO	21.8	21.97											
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMMIMO	Band 4	9M	2152.5	2375	4xMMIMO	Band 2	20M	1960	900	4xMMIMO	Band 2	9M	1987.5	1175	4xMMIMO	Band 2	9M	1987.5	1175	4xMMIMO	22.76	22.98											
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4xMMIMO	Band 4	9M	2152.5	2375	4xMMIMO	Band 2	20M	1960	900	4xMMIMO	Band 2	9M	1987.5	1175	4xMMIMO	Band 2	9M	1987.5	1175	4xMMIMO	22.46	22.58											
CA_2A-2A-4A-5A	Band 2	Ant0	20M	1880	1890Q	QPSK	1	0	4xMMIMO	Band 2	9M	1987.5	1175	4xMMIMO	Band 4	20M	2132.5	2175	4xMMIMO	Band 5	10M	881.5	2525		22.98	23.15																
	Band 2	Ant1	20M	1880	1890Q	QPSK	1	0	4xMMIMO	Band 2	9M	1987.5	1175	4xMMIMO	Band 4	20M	2132.5	2175	4xMMIMO	Band 5	10M	881.5	2525		21.83	21.97																
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMMIMO	Band 2	20M	1960	900	4xMMIMO	Band 2	9M	1987.5	1175	4xMMIMO	Band 5	10M	881.5	2525		22.78	22.98																
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4xMMIMO	Band 2	20M	1960	900	4xMMIMO	Band 2	9M	1987.5	1175	4xMMIMO	Band 5	10M	881.5	2525		22.46	22.58																
CA_2A-2A-5B	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4xMMIMO	Band 2	9M	1987.5	1175	4xMMIMO	Band 4	20M	2132.5	2175	4xMMIMO	Band 4	20M	2132.5	2175	4xMMIMO	22.83	22.91											
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4xMMIMO	Band 2	9M	1987.5	1175	4xMMIMO	Band 4	20M	2132.5	2175	4xMMIMO	Band 4	20M	2132.5	2175	4xMMIMO	22.42	22.66											
	Band 2	Ant0	20M	1880	1890Q	QPSK	1	0	4xMMIMO	Band 2	9M	1987.5	1175	4xMMIMO	Band 5	10M	881.5	2525		Band 5	9M	888.7	2597		23.12	23.15																
	Band 2	Ant1	20M	1880	1890Q	QPSK	1	0	4xMMIMO	Band 2	9M	1987.5	1175	4xMMIMO	Band 5	10M	881.5	2525		Band 5	9M	888.7	2597		21.74	21.97																
CA_2A-4A-4A-5A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	9M	888.7	2597		Band 2	20M	1960	900	4xMMIMO	Band 2	9M	1987.5	1175	4xMMIMO	Band 2	9M	1987.5	1175	4xMMIMO	22.88	22.91											
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	9M	888.7	2597		Band 2	20M	1960	900	4xMMIMO	Band 2	9M	1987.5	1175	4xMMIMO	Band 2	9M	1987.5	1175	4xMMIMO	22.59	22.66											
	Band 2	Ant0	20M	1880	1890Q	QPSK	1	0	4xMMIMO	Band 4	20M	2132.5	2175	4xMMIMO	Band 4	9M	2152.5	2375	4xMMIMO	Band 5	10M	881.5	2525		23.02	23.15																
	Band 2	Ant1	20M	1880	1890Q	QPSK	1	0	4xMMIMO	Band 4	20M	2132.5	2175	4xMMIMO	Band 4	9M	2152.5	2375	4xMMIMO	Band 5	10M	881.5	2525		21.78	21.97																
CA_2A-4A-4A-5B	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4xMMIMO	Band 4	9M	2152.5	2375	4xMMIMO	Band 2	20M	1960	900	4xMMIMO	Band 5	10M	881.5	2525		22.85	22.98																
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMMIMO	Band 4	9M	2152.5	2375	4xMMIMO	Band 2	20M	1960	900	4xMMIMO	Band 5	10M	881.5	2525		22.36	22.58																
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4xMMIMO	Band 4	20M	2132.5	2175	4xMMIMO	Band 4	20M	2132.5	2175	4xMMIMO	22.75	22.91																
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	9M	888.7	2597		Band 2	20M	1960	900	4xMMIMO	Band 4	20M	2132.5	2175	4xMMIMO	22.49	22.66																
CA_2A-5A-4B-6A	Band 2	Ant0	20M	1880	1890Q	QPSK	1	0	4xMMIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4xMMIMO	Band 48	20M	3650.8	56348	4xMMIMO	21.85	21.97																
	Band 2	Ant1	20M	1880	1890Q	QPSK	1	0	4xMMIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4xMMIMO	Band 48	20M	3650.8	56348	4xMMIMO	22.84	22.91																
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4xMMIMO	Band 48	20M	3641	56150	4xMMIMO	Band 48	20M	3650.8	56348	4xMMIMO	22.42	22.66																
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4xMMIMO	Band 48	20M	3641	56150	4xMMIMO	Band 48	20M	3650.8	56348	4xMMIMO	22.99	23.15																
CA_2A-13A-4B-6C	Band 66	Ant0	20M	1745	13232Q	QPSK	1	0	4xMMIMO	Band 66	9M	2154.3	66879	4xMMIMO	Band 5	10M	881.5	2525		Band 5	9M	891.5	2625		22.98	23.16																
	Band 66	Ant1	20M	1745	13232Q	QPSK	1	0	4xMMIMO	Band 66	9M	2154.3	66879	4xMMIMO	Band 5	10M	881.5	2525		Band 5	9M	891.5	2625		22.5	22.69																
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	9M	891.5	2625		Band 66	20M	2145	66786	4xMMIMO	Band 66	20M	2164.8	66984	4xMMIMO	22.8	22.91																
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	9M	891.5	2625		Band 66	20M	2145	66786	4xMMIMO	Band 66	20M	2164.8	66984	4xMMIMO	22.52	22.66																
CA_5A-5A-6B-6C	Band 66	Ant0	20M	1745	13232Q	QPSK	1	0	4xMMIMO	Band 66	9M	2154.3	66879	4xMMIMO	Band 5	10M	881.5	2525		Band 5	9M	891.5	2625		23.07	23.16																
	Band 66	Ant1	20M	1745	13232Q	QPSK	1	0	4xMMIMO	Band 66	9M	2154.3	66879	4xMMIMO	Band 5	10M	881.5	2525		Band 5	9M	891.5	2625		22.5	22.69																
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	9M	891.5	2625		Band 66	20M	2145	66786	4xMMIMO	Band 66	20M	2164.8	66984	4xMMIMO	22.8	22.91																
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	9M	891.5	2625		Band 66	20M	2145	66786	4xMMIMO	Band 66	20M	2164.8	66984	4xMMIMO	22.52	22.66																
CA_5A-5A-6B-6C-6A	Band 66	Ant0	20M	1745	13232Q	QPSK	1	0	4xMMIMO	Band 66	9M	2177.5	67111	4xMMIMO	Band 5	10M	881.5	2525		Band 5	9M	891.5	2625		23.06	23.16																
	Band 66	Ant1	20M	1745	13232Q	QPSK	1	0	4xMMIMO	Band 66	9M	2177.5	67111	4xMMIMO	Band 5	10M	881.5	2525		Band 5	9M	891.5	2625		22.59	22.69																
	Band 13	Ant0	10M	752	23230	QPSK	1	0		Band 48	20M	3641	56150	4xMMIMO	Band 66	15M	2145	66786	4xMMIMO	Band 66	15M	2145	66786	4xMMIMO	22.73	22.97																
	Band 13	Ant1	10M	752	23230	QPSK	1	0		Band 48	20M	3641	56150	4xMMIMO	Band 66	15M	2145	66786	4xMMIMO	Band 66	15M	2145	66786	4xMMIMO	22.86	22.89																
CA_13A-4B-6C	Band 66	Ant0	20M	1745	13232Q	QPSK	1	0	4xMMIMO	Band 66	9M	2154.3	66879	4xMMIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4xMMIMO	23.06	23.16																
	Band 66	Ant1	20M	1745	13232Q	QPSK	1	0	4xMMIMO	Band 66	9M	2154.3	66879	4xMMIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4xMMIMO	22.81	22.89																
	Band 13	Ant0	10M	752	23230	QPSK	1	0		Band 48	20M	3641	56150	4xMMIMO	Band 66	20M	2145	66786	4xMMIMO	Band 66	20M	2164.8	66984	4xMMIMO	22.76	22.97																
	Band 13	Ant1	10M	752	23230	QPSK	1	0		Band 48	20M	3641	56150	4xMMIMO	Band 66	20M	2145	66786	4xMMIMO	Band 66	20M	2164.8	66984	4xMMIMO	22.86	22.89																
CA_4B-6A-6A-6A	Band 66	Ant0	20M	1745	13232Q	QPSK	1	0	4xMMIMO	Band 66	9M	2177.5	67111	4xMMIMO	Band 48	20M	3641	56150	4xMMIMO	Band 48	20M	3650.8	56348	4xMMIMO	23.02	23.16																
	Band 66	Ant1	20M	1745	13232Q	QPSK	1	0	4xMMIMO	Band 66	9M	2177.5																														





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Configure	PCC								SCC1				SCC2				SCC3				SCC4				SCC5				Power							
	LTE	BW	BW	UL	UL	UL#	UL RB Offset	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA						
	Band	Ant	(MHz)	Freq. (MHz)	Channel				Mod.	Band	(MHz)	Freq. (MHz)		Channel	Band	(MHz)	Freq. (MHz)		Channel	Band	(MHz)	Freq. (MHz)		Channel	Band	(MHz)	Freq. (MHz)		Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx Power (dBm)	Tx Power (dBm)	
CA_2A-46D-48A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	22.95	23.15	
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	21.83	21.97	
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	23.01	23.16	
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	22.53	22.69	
CA_2A-46D-66A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		Band 66	20M	2145	66786	4xMIMO	Band 66	5M	2177.5	67111	4xMIMO	22.96	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		Band 66	20M	2145	66786	4xMIMO	Band 66	5M	2177.5	67111	4xMIMO	21.78	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2177.5	67111	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	23.05	23.16	
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2177.5	67111	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	22.48	22.69	
CA_2A-46C-48C-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 66	20M	2145	66786	4xMIMO	22.95	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 66	20M	2145	66786	4xMIMO	21.86	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888	23.03	23.16	
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888	22.57	22.69	
CA_2A-46A-48E	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 48	20M	3609	55830	4xMIMO	Band 48	20M	3628.8	56028	4xMIMO	Band 48	20M	3648.6	56226	4xMIMO	Band 48	20M	3668.4	56424	4xMIMO	22.91	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 48	20M	3609	55830	4xMIMO	Band 48	20M	3628.8	56028	4xMIMO	Band 48	20M	3648.6	56226	4xMIMO	Band 48	20M	3668.4	56424	4xMIMO	21.91	21.97
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 48	20M	3680.6	56546	4xMIMO	Band 66	20M	2145	66786	4xMIMO	22.93	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 48	20M	3680.6	56546	4xMIMO	Band 66	20M	2145	66786	4xMIMO	21.95	21.97
CA_2A-46A-48D-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 48	20M	3680.6	56546	4xMIMO	23.01	23.16
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 48	20M	3680.6	56546	4xMIMO	22.52	22.69
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 48	20M	3628.8	56028	4xMIMO	Band 48	20M	3648.6	56226	4xMIMO	Band 66	20M	2145	66786	4xMIMO	23.06	23.15
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 48	20M	3628.8	56028	4xMIMO	Band 48	20M	3648.6	56226	4xMIMO	Band 66	20M	2145	66786	4xMIMO	21.88	21.97
CA_2A-48E-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 48	20M	3628.8	56028	4xMIMO	Band 48	20M	3648.6	56226	4xMIMO	Band 48	20M	3668.4	56424	4xMIMO	22.96	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 48	20M	3628.8	56028	4xMIMO	Band 48	20M	3648.6	56226	4xMIMO	Band 48	20M	3668.4	56424	4xMIMO	22.57	22.69



7CA DL

Configure	PCC										SCC1				SCC2				SCC3				SCC4				SCC5				Power										
	LTE	BW	BW	UL	UL	Mod.	UL#	UL RB Offset	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA					
	Band	Ant	Freq. (MHz)	Channel	Freq. (MHz)					Band	Ant	Freq. (MHz)	Channel		Freq. (MHz)	Band	Ant	Freq. (MHz)		Channel	Freq. (MHz)	Band	Ant		Freq. (MHz)	Channel	Freq. (MHz)	Band		Ant	Freq. (MHz)	Channel	Freq. (MHz)		Band	Ant	Freq. (MHz)	Channel	Freq. (MHz)	Tx Power (dBm)	Tx Power (dBm)
CA_2A-48C-48C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494		23.07	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 46	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494		21.83	21.97
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494		23.07	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 46	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494		21.83	21.97
CA_2A-48E-48A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494		23.06	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494		22.57	22.69
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494		22.85	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494		21.91	21.97
CA_2A-48C-48C-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494		23.09	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494		22.61	22.69
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		23.13	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		21.89	21.97
CA_2A-48C-48D-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		23.05	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		22.57	22.69
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	22.9	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	22.97	23.15
CA_2A-48C-48D-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	23.03	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	23.62	22.68
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	23.01	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	22.48	22.69



Full Power level/Default Power level/ Pmax Power Level for 5G NR

n2 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1800	1800	1800			
20	Pi2 BPSK	1	1	22.15	22.24	22.17			
20	Pi2 BPSK	1	53	22.27	22.33	22.26	24.0	0.0	
20	Pi2 BPSK	1	104	22.19	22.26	22.24			
20	Pi2 BPSK	50	0	22.18	22.33	22.25	24.0	0.0	
20	Pi2 BPSK	50	28	22.13	22.31	22.30	24.0	0.0	
20	Pi2 BPSK	50	56	22.19	22.26	22.07	24.0	0.0	
20	Pi2 BPSK	100	0	22.13	22.22	22.13			
20	QPSK	1	1	22.53	22.55	22.38			
20	QPSK	1	53	22.16	22.19	22.06	24.0	0.0	
20	QPSK	1	104	22.25	22.32	22.20			
20	QPSK	50	0	22.16	22.23	22.17	24.0	0.0	
20	QPSK	50	28	22.21	22.41	22.25	24.0	0.0	
20	QPSK	50	56	22.17	22.35	22.28	24.0	0.0	
20	QPSK	100	0	22.21	22.37	22.20			
20	16QAM	1	1	22.40	22.47	22.41	24.0	0.0	
20	64QAM	1	1	21.37	21.48	21.31	22.5	1.5	
20	256QAM	1	1	19.23	19.26	19.23	20.5	3.5	
Channel				375000	376000	376000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1807.5	1800	1802.5			
15	QPSK	1	1	22.23	22.43	22.24	24.0	0.0	
Channel				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1805	1800	1805			
10	QPSK	1	1	22.42	22.41	22.17	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1802.5	1800	1807.5			
5	QPSK	1	1	22.25	22.35	22.18	24.0	0.0	

n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pi2 BPSK	1	1	22.62	22.63	22.63			
20	Pi2 BPSK	1	53	22.62	22.63	22.54	24.0	0.0	
20	Pi2 BPSK	1	104	22.46	22.60	22.41			
20	Pi2 BPSK	50	0	22.50	22.55	22.49	24.0	0.0	
20	Pi2 BPSK	50	28	22.64	22.67	22.58	24.0	0.0	
20	Pi2 BPSK	50	56	22.50	22.56	22.41	24.0	0.0	
20	Pi2 BPSK	100	0	22.45	22.64	22.60			
20	QPSK	1	1	22.63	22.75	22.67			
20	QPSK	1	53	22.42	22.62	22.44	24.0	0.0	
20	QPSK	1	104	22.47	22.60	22.35			
20	QPSK	50	0	22.49	22.58	22.41	24.0	0.0	
20	QPSK	50	28	22.62	22.65	22.63	24.0	0.0	
20	QPSK	50	56	22.50	22.57	22.43	24.0	0.0	
20	QPSK	100	0	22.43	22.62	22.43			
20	16QAM	1	1	22.59	22.61	22.52	24.0	0.0	
20	64QAM	1	1	21.73	21.91	21.72	22.5	1.5	
20	256QAM	1	1	19.04	19.09	19.02	20.5	3.5	
Channel				166300	167200	167300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.48	22.54	22.39	24.0	0.0	
Channel				165800	167300	168000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				830	836.5	844			
10	QPSK	1	1	22.46	22.51	22.47	24.0	0.0	
Channel				165300	167300	169000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				828.5	836.5	848.5			
5	QPSK	1	1	22.50	22.45	22.42	24.0	0.0	

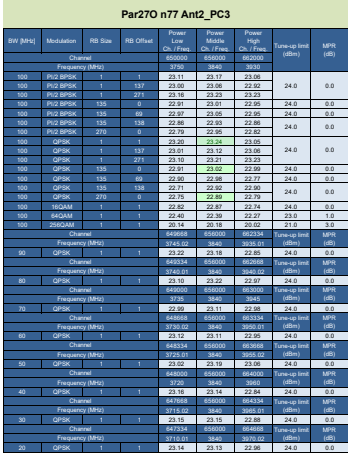
n66 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pi2 BPSK	1	1	22.30	22.33	22.24			
40	Pi2 BPSK	1	108	22.16	22.34	22.19	24.0	0.0	
40	Pi2 BPSK	1	214	22.16	22.35	22.17			
40	Pi2 BPSK	108	0	22.09	22.28	22.26	24.0	0.0	
40	Pi2 BPSK	108	54	22.06	22.25	22.08	24.0	0.0	
40	Pi2 BPSK	108	108	22.16	22.27	22.17	24.0	0.0	
40	Pi2 BPSK	216	0	22.27	22.33	22.16			
40	QPSK	1	1	22.45	22.63	22.58			
40	QPSK	1	108	22.40	22.53	22.36	24.0	0.0	
40	QPSK	1	214	22.41	22.49	22.49			
40	QPSK	108	0	22.45	22.47	22.43	24.0	0.0	
40	QPSK	108	54	22.14	22.49	22.14	24.0	0.0	
40	QPSK	108	108	22.18	22.26	22.25	24.0	0.0	
40	QPSK	216	0	22.14	22.26	22.17			
40	16QAM	1	1	22.50	22.51	22.50	24.0	0.0	
40	64QAM	1	1	21.63	21.64	21.58	22.5	1.5	
40	256QAM	1	1	19.26	19.30	19.17	20.5	3.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.20	22.44	22.31	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.17	22.40	22.43	24.0	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.19	22.42	22.47	24.0	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.31	22.42	22.30	24.0	0.0	
Channel				341000	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.25	22.47	22.37	24.0	0.0	



n2 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1800	1800	1800			
Frequency (MHz)				1790	1810	1810			
20	Pi2 BPSK	1	1	22.96	23.13	23.02			
20	Pi2 BPSK	1	53	22.77	23.06	22.89	24.0	0.0	
20	Pi2 BPSK	1	104	22.77	23.00	22.76			
20	Pi2 BPSK	50	0	22.83	22.83	22.79	24.0	0.0	
20	Pi2 BPSK	50	28	22.87	22.96	22.76	24.0	0.0	
20	Pi2 BPSK	50	56	22.71	22.92	22.77	24.0	0.0	
20	Pi2 BPSK	100	0	22.70	22.97	22.70			
20	QPSK	1	1	22.90	23.15	22.87			
20	QPSK	1	53	22.90	23.08	22.89	24.0	0.0	
20	QPSK	1	104	22.75	22.96	22.77			
20	QPSK	50	0	22.84	22.91	22.71	24.0	0.0	
20	QPSK	50	28	22.81	22.93	22.70	24.0	0.0	
20	QPSK	50	56	22.82	22.92	22.83	24.0	0.0	
20	QPSK	100	0	22.85	22.95	22.84	24.0	0.0	
20	16QAM	1	1	22.72	22.97	22.84	24.0	0.0	
20	64QAM	1	1	22.23	22.43	22.19	23.5	0.5	
20	256QAM	1	1	19.99	20.19	19.94	21.0	3.0	
Channel				1807.5	1800	1802.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1807.5	1800	1802.5			
15	QPSK	1	1	22.79	23.09	22.69	24.0	0.0	
Channel				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1465	1460	1465			
10	QPSK	1	1	22.72	22.99	22.77	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1671.5	1660	1667.5			
5	QPSK	1	1	22.74	23.00	22.86	24.0	0.0	

n5 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				168800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pi2 BPSK	1	1	22.35	22.36	22.34			
20	Pi2 BPSK	1	53	22.25	22.30	22.24	24.0	0.0	
20	Pi2 BPSK	1	104	22.09	22.24	22.14			
20	Pi2 BPSK	50	0	22.05	22.23	22.16	24.0	0.0	
20	Pi2 BPSK	50	28	22.31	22.34	22.28	24.0	0.0	
20	Pi2 BPSK	50	56	22.08	22.27	22.23	24.0	0.0	
20	Pi2 BPSK	100	0	22.28	22.32	22.31			
20	QPSK	1	1	22.52	22.55	22.47			
20	QPSK	1	53	22.24	22.33	22.23	24.0	0.0	
20	QPSK	1	104	22.26	22.31	22.31			
20	QPSK	50	0	22.09	22.22	22.05	24.0	0.0	
20	QPSK	50	28	22.31	22.33	22.17	24.0	0.0	
20	QPSK	50	56	22.20	22.22	22.12	24.0	0.0	
20	QPSK	100	0	22.13	22.29	22.15	24.0	0.0	
20	16QAM	1	1	22.42	22.37	22.42	24.0	0.0	
20	64QAM	1	1	21.70	21.73	21.58	22.5	1.5	
20	256QAM	1	1	19.24	19.43	19.23	20.5	3.5	
Channel				168300	167400	168200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.36	22.36	22.21	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				840	846.5	844			
10	QPSK	1	1	22.42	22.33	22.28	24.0	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				846.5	846.5	846.5			
5	QPSK	1	1	22.41	22.25	22.29	24.0	0.0	

n66 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pi2 BPSK	1	1	22.53	23.13	23.04			
40	Pi2 BPSK	1	108	23.02	23.07	22.91	24.0	0.0	
40	Pi2 BPSK	1	214	22.87	22.98	22.97			
40	Pi2 BPSK	108	0	22.97	23.05	22.94	24.0	0.0	
40	Pi2 BPSK	108	54	22.90	23.00	22.86	24.0	0.0	
40	Pi2 BPSK	108	108	23.03	23.10	23.08	24.0	0.0	
40	Pi2 BPSK	216	0	22.88	23.03	22.96			
40	QPSK	1	1	23.28	23.36	23.32			
40	QPSK	1	108	22.96	23.11	22.99	24.0	0.0	
40	QPSK	1	214	22.79	22.97	22.82			
40	QPSK	108	0	22.91	23.04	23.00	24.0	0.0	
40	QPSK	108	54	22.93	23.06	22.94	24.0	0.0	
40	QPSK	108	108	22.89	23.03	22.84	24.0	0.0	
40	QPSK	216	0	22.86	23.05	22.95			
40	16QAM	1	1	23.31	23.33	23.24	24.0	0.0	
40	64QAM	1	1	22.39	22.52	22.44	23.5	0.5	
40	256QAM	1	1	20.06	20.19	20.14	21.0	3.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.15	23.16	23.15	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.02	23.20	23.08	24.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.03	23.22	23.14	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.06	23.08	23.17	24.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.99	23.15	23.18	24.0	0.0	

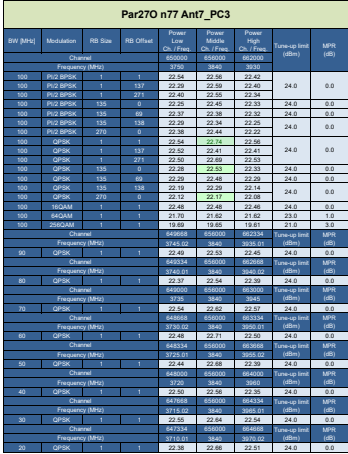
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Part2Q70 n77_Ant 2_Pc3							
Ch	[dB FM]	Modulation	RB Size	RB Offset	Power (mW Tx/Ch)	Power Margin (dBm)	Power Headroom (dBm)
Frequency (MHz)							
100	FM	FSK	150	1	23.15		
100	FM	FSK	150	1	23.15	24.0	0.0
100	FM	FSK	22.5	22.1	23.15		
100	FM	FSK	150	0	22.80		
100	FM	FSK	150	0	22.80	24.0	0.0
100	FM	FSK	150	138	22.78		
100	FM	FSK	270	0	22.80		
100	FM	FSK	270	0	22.80	24.0	0.0
100	FM	QPSK	1	137	22.80		
100	FM	QPSK	1	22.1	22.71		
100	FM	QPSK	150	0	22.80		
100	FM	QPSK	150	0	22.80	24.0	0.0
100	FM	QPSK	150	138	22.82		
100	FM	QPSK	270	0	22.81		
100	FM	QPSK	270	0	22.81	24.0	0.0
100	FM	QAM64	1	22.1	22.21		
100	FM	QAM64	1	22.1	22.21	24.0	0.0
Channel							
100	FM	QPSK	1	1	60.000	83333.0	83333.0
90	FM	QPSK	1	1	23.04	23.15	22.98
100	FM	QPSK	1	1	60.008	83334.0	83350.0
Frequency (MHz)							
80	FM	FSK	1	1	23.17	23.18	22.99
80	FM	FSK	1	1	23.17	23.18	22.99
Frequency (MHz)							
70	FM	FSK	1	1	34.811	35.000	35.151
70	FM	FSK	1	1	34.811	35.000	35.151
Channel							
80	FM	QPSK	1	1	60.000	83333.0	83368.0
80	FM	QPSK	1	1	23.16	23.18	22.98
Channel							
80	FM	QPSK	1	1	60.008	83334.0	83350.0
Frequency (MHz)							
50	FM	FSK	1	1	23.15	23.00	22.97
50	FM	FSK	1	1	23.15	23.00	22.97
Frequency (MHz)							
40	FM	FSK	1	1	23.15	23.04	23.04
40	FM	FSK	1	1	23.15	23.04	23.04
Frequency (MHz)							
30	FM	FSK	1	1	23.15	23.07	23.03
30	FM	FSK	1	1	23.15	23.07	23.03
Channel							
30	FM	QPSK	1	1	60.008	83334.0	83350.0
30	FM	QPSK	1	1	23.04	23.11	22.98

Part2Q70 n77_Ant 2_PC2									
Bit (MSP)	Modulation	RB Size	RB Offset	Power Lin Cn/Freq	Power Matrix Cn/Freq	Power Matrix B33334	Time slot (center)	MFR (dB)	
Frequency (MHz)									
100	QPSK BPSK	1	1	20.75				27.0	0.0
100	QPSK BPSK	1	137	20.74					
100	QPSK BPSK	1	271	20.73				26.0	0.0
100	QPSK BPSK	1	405	20.72					
100	QPSK BPSK	1	539	20.71				26.0	0.0
100	QPSK BPSK	1	673	20.70					
100	QPSK BPSK	1	807	20.69				26.0	0.0
100	QPSK BPSK	1	941	20.68					
100	QPSK	1	1075	20.67				27.0	0.0
100	QPSK	1	1209	20.66					
100	QPSK	1	1343	20.65				26.0	0.0
100	QPSK	1	1477	20.64					
100	QPSK	1	1611	20.63				26.0	0.0
100	QPSK	1	1745	20.62					
100	QPSK	1	1879	20.61				26.0	0.0
100	QPSK	1	2013	20.60					
100	QPSK	1	2147	20.59				26.0	0.0
100	QPSK	1	2281	20.58					
100	QPSK	1	2415	20.57				26.0	0.0
100	QPSK	1	2549	20.56					
Channel									
90	QPSK	1	1	20.60	833334	833338	26.0	26.0	MFR
90	QPSK	1	1	20.59	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.58	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.57	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.56	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.55	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.54	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.53	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.52	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.51	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.50	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.49	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.48	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.47	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.46	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.45	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.44	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.43	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.42	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.41	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.40	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.39	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.38	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.37	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.36	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.35	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.34	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.33	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.32	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.31	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.30	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.29	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.28	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.27	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.26	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.25	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.24	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.23	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.22	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.21	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.20	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.19	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.18	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.17	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.16	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.15	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.14	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.13	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.12	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.11	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.10	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.09	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.08	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.07	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.06	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.05	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.04	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.03	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.02	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.01	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	20.00	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.99	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.98	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.97	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.96	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.95	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.94	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.93	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.92	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.91	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.90	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.89	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.88	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.87	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.86	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.85	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.84	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.83	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.82	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.81	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.80	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.79	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.78	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.77	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.76	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.75	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.74	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.73	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.72	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.71	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.70	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.69	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.68	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.67	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.66	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.65	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.64	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.63	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.62	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.61	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.60	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.59	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.58	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.57	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.56	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.55	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.54	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.53	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.52	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.51	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.50	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.49	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.48	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.47	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.46	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.45	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.44	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.43	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.42	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.41	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.40	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.39	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.38	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.37	833334	833338	27.0	27.0	MFR
90	QPSK	1	1	19.36	833334				

Part270 n78 Ant2_PC3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	PIQ-BPSK	1	1		22.79			
100	PIQ-BPSK	1	137		22.89		24.0	0.0
100	PIQ-BPSK	1	271		22.84			
100	PIQ-BPSK	135	0		22.39		23.5	0.5
100	PIQ-BPSK	135	66		22.16		24.0	0.0
100	PIQ-BPSK	135	136		22.34		23.5	0.5
100	PIQ-BPSK	270	0		22.33			
100	QPSK	1	1		22.87			
100	QPSK	1	137		22.87		24.0	0.0
100	QPSK	1	271		22.83			
100	QPSK	135	0		21.83		23.0	1.0
100	QPSK	135	66		22.26		24.0	0.0
100	QPSK	135	136		21.84		23.0	1.0
100	QPSK	270	0		21.78			
100	16QAM	1	1		22.14		23.0	1.0
100	16QAM	1	1		20.94		21.5	2.5
100	16QAM	1	1		16.26		16.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1		22.59		22.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1		22.52		22.74	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1		22.55		22.65	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1		22.13		22.82	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		22.73		22.82	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1		22.51		22.72	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1		22.42		22.88	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1		22.52		22.76	0.0

Part27Q n78_Ant 2_PC3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	PIQ-BPSK	1	1		22.87			
100	PIQ-BPSK	1	137		22.79		24.0	0.0
100	PIQ-BPSK	1	271		22.74			
100	PIQ-BPSK	135	0		22.27		23.5	0.5
100	PIQ-BPSK	135	66		22.16		24.0	0.0
100	PIQ-BPSK	135	136		22.32		23.5	0.5
100	PIQ-BPSK	270	0		22.16			
100	QPSK	1	1		22.85			
100	QPSK	1	137		22.78		24.0	0.0
100	QPSK	1	271		22.85			
100	QPSK	135	0		21.89		23.0	1.0
100	QPSK	135	66		22.64		24.0	0.0
100	QPSK	135	136		21.77		23.0	1.0
100	QPSK	270	0		21.76			
100	16QAM	1	1		22.11		23.0	1.0
100	16QAM	1	1		20.94		21.5	2.5
100	16QAM	1	1		16.13		16.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1		22.59		22.65	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1		22.69		22.71	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1		22.65		22.66	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1		22.59		22.58	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		22.82		22.88	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1		22.80		22.68	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1		22.43		22.63	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1		22.56		22.57	0.0



Par270 n70 Ant2_PC2									
Seq ID	Modulation	RR Size	RR Offset	RR Start Low 500000	RR End High 500000	Peak Height 500000	Reference Seq	MPH (%)	
100	PI2-BPSPAL	1	0	25.48	25.57	25.50			
100	PI2-BPSPAL	1	1.67	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	1	3.33	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	100	0	26.82	26.92	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	1.67	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	3.33	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	15.6	27.15	27.46	27.40	26.0	26.0	0.5
100	PI2-BPSPAL	270	0	24.72	24.92	24.77	26.0	26.0	0.5
100	PI2-BPSPAL	270	1.67	24.72	24.72	24.77	27.0	0.0	
100	PI2-BPSPAL	1	1.67	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	1	3.33	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	100	0	26.82	26.92	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	1.67	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	3.33	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	15.6	27.15	27.46	27.40	26.0	26.0	0.5
100	PI2-BPSPAL	270	0	24.72	24.92	24.77	26.0	26.0	0.5
100	PI2-BPSPAL	270	1.67	24.72	24.72	24.77	27.0	0.0	
100	PI2-BPSPAL	1	1.67	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	1	3.33	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	100	0	26.82	26.92	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	1.67	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	3.33	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	15.6	27.15	27.46	27.40	26.0	26.0	0.5
100	PI2-BPSPAL	270	0	24.72	24.92	24.77	26.0	26.0	0.5
100	PI2-BPSPAL	270	1.67	24.72	24.72	24.77	27.0	0.0	
100	PI2-BPSPAL	1	1.67	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	1	3.33	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	100	0	26.82	26.92	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	1.67	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	3.33	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	15.6	27.15	27.46	27.40	26.0	26.0	0.5
100	PI2-BPSPAL	270	0	24.72	24.92	24.77	26.0	26.0	0.5
100	PI2-BPSPAL	270	1.67	24.72	24.72	24.77	27.0	0.0	
100	PI2-BPSPAL	1	1.67	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	1	3.33	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	100	0	26.82	26.92	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	1.67	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	3.33	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	15.6	27.15	27.46	27.40	26.0	26.0	0.5
100	PI2-BPSPAL	270	0	24.72	24.92	24.77	26.0	26.0	0.5
100	PI2-BPSPAL	270	1.67	24.72	24.72	24.77	27.0	0.0	
100	PI2-BPSPAL	1	1.67	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	1	3.33	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	100	0	26.82	26.92	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	1.67	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	3.33	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	15.6	27.15	27.46	27.40	26.0	26.0	0.5
100	PI2-BPSPAL	270	0	24.72	24.92	24.77	26.0	26.0	0.5
100	PI2-BPSPAL	270	1.67	24.72	24.72	24.77	27.0	0.0	
100	PI2-BPSPAL	1	1.67	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	1	3.33	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	100	0	26.82	26.92	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	1.67	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	3.33	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	15.6	27.15	27.46	27.40	26.0	26.0	0.5
100	PI2-BPSPAL	270	0	24.72	24.92	24.77	26.0	26.0	0.5
100	PI2-BPSPAL	270	1.67	24.72	24.72	24.77	27.0	0.0	
100	PI2-BPSPAL	1	1.67	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	1	3.33	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	100	0	26.82	26.92	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	1.67	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	3.33	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	15.6	27.15	27.46	27.40	26.0	26.0	0.5
100	PI2-BPSPAL	270	0	24.72	24.92	24.77	26.0	26.0	0.5
100	PI2-BPSPAL	270	1.67	24.72	24.72	24.77	27.0	0.0	
100	PI2-BPSPAL	1	1.67	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	1	3.33	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	100	0	26.82	26.92	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	1.67	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	3.33	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	15.6	27.15	27.46	27.40	26.0	26.0	0.5
100	PI2-BPSPAL	270	0	24.72	24.92	24.77	26.0	26.0	0.5
100	PI2-BPSPAL	270	1.67	24.72	24.72	24.77	27.0	0.0	
100	PI2-BPSPAL	1	1.67	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	1	3.33	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	100	0	26.82	26.92	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	1.67	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	3.33	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	15.6	27.15	27.46	27.40	26.0	26.0	0.5
100	PI2-BPSPAL	270	0	24.72	24.92	24.77	26.0	26.0	0.5
100	PI2-BPSPAL	270	1.67	24.72	24.72	24.77	27.0	0.0	
100	PI2-BPSPAL	1	1.67	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	1	3.33	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	100	0	26.82	26.92	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	1.67	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	3.33	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	15.6	27.15	27.46	27.40	26.0	26.0	0.5
100	PI2-BPSPAL	270	0	24.72	24.92	24.77	26.0	26.0	0.5
100	PI2-BPSPAL	270	1.67	24.72	24.72	24.77	27.0	0.0	
100	PI2-BPSPAL	1	1.67	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	1	3.33	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	100	0	26.82	26.92	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	1.67	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	3.33	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	15.6	27.15	27.46	27.40	26.0	26.0	0.5
100	PI2-BPSPAL	270	0	24.72	24.92	24.77	26.0	26.0	0.5
100	PI2-BPSPAL	270	1.67	24.72	24.72	24.77	27.0	0.0	
100	PI2-BPSPAL	1	1.67	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	1	3.33	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	100	0	26.82	26.92	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	1.67	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	3.33	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	15.6	27.15	27.46	27.40	26.0	26.0	0.5
100	PI2-BPSPAL	270	0	24.72	24.92	24.77	26.0	26.0	0.5
100	PI2-BPSPAL	270	1.67	24.72	24.72	24.77	27.0	0.0	
100	PI2-BPSPAL	1	1.67	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	1	3.33	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	100	0	26.82	26.92	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	1.67	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	3.33	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	15.6	27.15	27.46	27.40	26.0	26.0	0.5
100	PI2-BPSPAL	270	0	24.72	24.92	24.77	26.0	26.0	0.5
100	PI2-BPSPAL	270	1.67	24.72	24.72	24.77	27.0	0.0	
100	PI2-BPSPAL	1	1.67	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	1	3.33	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	100	0	26.82	26.92	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	1.67	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	3.33	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	15.6	27.15	27.46	27.40	26.0	26.0	0.5
100	PI2-BPSPAL	270	0	24.72	24.92	24.77	26.0	26.0	0.5
100	PI2-BPSPAL	270	1.67	24.72	24.72	24.77	27.0	0.0	
100	PI2-BPSPAL	1	1.67	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	1	3.33	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	100	0	26.82	26.92	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	1.67	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	3.33	26.82	26.82	26.85	25.0	26.0	0.5
100	PI2-BPSPAL	100	15.6	27.15	27.46	27.40	26.0	26.0	0.5
100	PI2-BPSPAL	270	0	24.72	24.92	24.77	26.0	26.0	0.5
100	PI2-BPSPAL	270	1.67	24.72	24.72	24.77	27.0	0.0	
100	PI2-BPSPAL	1	1.67	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	1	3.33	25.48	25.48	25.50	27.0	0.0	
100	PI2-BPSPAL	100	0	26.82	26.92	26.85	25.0	26.0	0.5
100	PI								

Part270 n77_Ant_1_PDC3									
Bin [MHz]	Modulation	Channel	RF Offset	Power Low Cut [dBm]	Power High Cut [dBm]	Power Avg. Freq. [dB]	Interpol. gain [dB]	MFR [dB]	
B33334									
-1000	PSK256QAM	1	0	-22.35	-22.35	-22.35	24.0	0.0	
-1000	PSK256QAM	1	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	1	274	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	0	-22.34	-22.34	-22.34	24.0	0.0	
-1000	PSK256QAM	139	137	-22.32	-22.32	-22.32	24.0	0.0	
-1000	PSK256QAM	139	274	-22.32	-22.32	-22.32	24.0	0.0	
-1000	PSK256QAM	276	0	-22.36	-22.36	-22.36	24.0	0.0	
-1000	PSK256QAM	276	137	-22.43	-22.43	-22.43	24.0	0.0	
-1000	PSK256QAM	276	274	-22.43	-22.43	-22.43	24.0	0.0	
-1000	PSK256QAM	139	0	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	274	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	276	0	-22.36	-22.36	-22.36	24.0	0.0	
-1000	PSK256QAM	276	137	-22.43	-22.43	-22.43	24.0	0.0	
-1000	PSK256QAM	276	274	-22.43	-22.43	-22.43	24.0	0.0	
-1000	PSK256QAM	1	0	-21.81	-21.81	-21.81	25.0	1.0	
-1000	PSK256QAM	1	137	-21.84	-21.84	-21.84	25.0	1.0	
-1000	PSK256QAM	1	274	-21.84	-21.84	-21.84	25.0	1.0	
-1000	PSK256QAM	139	0	-21.80	-21.80	-21.80	25.0	1.0	
-1000	PSK256QAM	139	137	-21.83	-21.83	-21.83	25.0	1.0	
-1000	PSK256QAM	139	274	-21.83	-21.83	-21.83	25.0	1.0	
-1000	PSK256QAM	276	0	-21.85	-21.85	-21.85	25.0	1.0	
-1000	PSK256QAM	276	137	-21.88	-21.88	-21.88	25.0	1.0	
-1000	PSK256QAM	276	274	-21.88	-21.88	-21.88	25.0	1.0	
-1000	PSK256QAM	139	0	-21.81	-21.81	-21.81	25.0	1.0	
-1000	PSK256QAM	139	137	-21.84	-21.84	-21.84	25.0	1.0	
-1000	PSK256QAM	139	274	-21.84	-21.84	-21.84	25.0	1.0	
-1000	PSK256QAM	276	0	-21.85	-21.85	-21.85	25.0	1.0	
-1000	PSK256QAM	276	137	-21.88	-21.88	-21.88	25.0	1.0	
-1000	PSK256QAM	276	274	-21.88	-21.88	-21.88	25.0	1.0	
-1000	PSK256QAM	1	0	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	1	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	1	274	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	0	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	274	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	276	0	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	276	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	276	274	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	1	0	-21.81	-21.81	-21.81	25.0	1.0	
-1000	PSK256QAM	1	137	-21.84	-21.84	-21.84	25.0	1.0	
-1000	PSK256QAM	1	274	-21.84	-21.84	-21.84	25.0	1.0	
-1000	PSK256QAM	139	0	-21.80	-21.80	-21.80	25.0	1.0	
-1000	PSK256QAM	139	137	-21.83	-21.83	-21.83	25.0	1.0	
-1000	PSK256QAM	139	274	-21.83	-21.83	-21.83	25.0	1.0	
-1000	PSK256QAM	276	0	-21.85	-21.85	-21.85	25.0	1.0	
-1000	PSK256QAM	276	137	-21.88	-21.88	-21.88	25.0	1.0	
-1000	PSK256QAM	276	274	-21.88	-21.88	-21.88	25.0	1.0	
-1000	PSK256QAM	1	0	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	1	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	1	274	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	0	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	274	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	276	0	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	276	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	276	274	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	1	0	-21.81	-21.81	-21.81	25.0	1.0	
-1000	PSK256QAM	1	137	-21.84	-21.84	-21.84	25.0	1.0	
-1000	PSK256QAM	1	274	-21.84	-21.84	-21.84	25.0	1.0	
-1000	PSK256QAM	139	0	-21.80	-21.80	-21.80	25.0	1.0	
-1000	PSK256QAM	139	137	-21.83	-21.83	-21.83	25.0	1.0	
-1000	PSK256QAM	139	274	-21.83	-21.83	-21.83	25.0	1.0	
-1000	PSK256QAM	276	0	-21.85	-21.85	-21.85	25.0	1.0	
-1000	PSK256QAM	276	137	-21.88	-21.88	-21.88	25.0	1.0	
-1000	PSK256QAM	276	274	-21.88	-21.88	-21.88	25.0	1.0	
-1000	PSK256QAM	1	0	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	1	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	1	274	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	0	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	274	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	276	0	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	276	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	276	274	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	1	0	-21.81	-21.81	-21.81	25.0	1.0	
-1000	PSK256QAM	1	137	-21.84	-21.84	-21.84	25.0	1.0	
-1000	PSK256QAM	1	274	-21.84	-21.84	-21.84	25.0	1.0	
-1000	PSK256QAM	139	0	-21.80	-21.80	-21.80	25.0	1.0	
-1000	PSK256QAM	139	137	-21.83	-21.83	-21.83	25.0	1.0	
-1000	PSK256QAM	139	274	-21.83	-21.83	-21.83	25.0	1.0	
-1000	PSK256QAM	276	0	-21.85	-21.85	-21.85	25.0	1.0	
-1000	PSK256QAM	276	137	-21.88	-21.88	-21.88	25.0	1.0	
-1000	PSK256QAM	276	274	-21.88	-21.88	-21.88	25.0	1.0	
-1000	PSK256QAM	1	0	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	1	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	1	274	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	0	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	274	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	276	0	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	276	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	276	274	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	1	0	-21.81	-21.81	-21.81	25.0	1.0	
-1000	PSK256QAM	1	137	-21.84	-21.84	-21.84	25.0	1.0	
-1000	PSK256QAM	1	274	-21.84	-21.84	-21.84	25.0	1.0	
-1000	PSK256QAM	139	0	-21.80	-21.80	-21.80	25.0	1.0	
-1000	PSK256QAM	139	137	-21.83	-21.83	-21.83	25.0	1.0	
-1000	PSK256QAM	139	274	-21.83	-21.83	-21.83	25.0	1.0	
-1000	PSK256QAM	276	0	-21.85	-21.85	-21.85	25.0	1.0	
-1000	PSK256QAM	276	137	-21.88	-21.88	-21.88	25.0	1.0	
-1000	PSK256QAM	276	274	-21.88	-21.88	-21.88	25.0	1.0	
-1000	PSK256QAM	1	0	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	1	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	1	274	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	0	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	274	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	276	0	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	276	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	276	274	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	1	0	-21.81	-21.81	-21.81	25.0	1.0	
-1000	PSK256QAM	1	137	-21.84	-21.84	-21.84	25.0	1.0	
-1000	PSK256QAM	1	274	-21.84	-21.84	-21.84	25.0	1.0	
-1000	PSK256QAM	139	0	-21.80	-21.80	-21.80	25.0	1.0	
-1000	PSK256QAM	139	137	-21.83	-21.83	-21.83	25.0	1.0	
-1000	PSK256QAM	139	274	-21.83	-21.83	-21.83	25.0	1.0	
-1000	PSK256QAM	276	0	-21.85	-21.85	-21.85	25.0	1.0	
-1000	PSK256QAM	276	137	-21.88	-21.88	-21.88	25.0	1.0	
-1000	PSK256QAM	276	274	-21.88	-21.88	-21.88	25.0	1.0	
-1000	PSK256QAM	1	0	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	1	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	1	274	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	0	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	274	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	276	0	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	276	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	276	274	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	1	0	-21.81	-21.81	-21.81	25.0	1.0	
-1000	PSK256QAM	1	137	-21.84	-21.84	-21.84	25.0	1.0	
-1000	PSK256QAM	1	274	-21.84	-21.84	-21.84	25.0	1.0	
-1000	PSK256QAM	139	0	-21.80	-21.80	-21.80	25.0	1.0	
-1000	PSK256QAM	139	137	-21.83	-21.83	-21.83	25.0	1.0	
-1000	PSK256QAM	139	274	-21.83	-21.83	-21.83	25.0	1.0	

[illegible]

Part27O n78 Ant7_PC3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Modem Ch. 1 (W)	Power High Ch. 1 (W)	Time-up time (min)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	22.05	22.05	22.05			
100	PV2 BPSK	1	157	22.09	22.09	22.09	24.0	0.0	
100	PV2 BPSK	1	251	22.01	22.01	22.01			
100	PV2 BPSK	155	0	22.43	22.43	22.43	23.0	0.0	
100	PV2 BPSK	155	40	22.00	22.00	22.00	24.0	0.0	
100	PV2 BPSK	155	158	22.04	22.04	22.04			
100	PV2 BPSK	270	0	22.16	22.16	22.16	23.0	0.0	
100	QPSK	1	1	22.02	22.02	22.02			
100	QPSK	1	157	22.05	22.05	22.05	24.0	0.0	
100	QPSK	1	251	22.07	22.07	22.07			
100	QPSK	155	0	21.74	21.74	21.74	23.0	1.0	
100	QPSK	155	40	22.02	22.02	22.02	24.0	0.0	
100	QPSK	155	158	21.08	21.08	21.08	23.0	1.0	
100	QPSK	270	0	21.05	21.05	21.05	23.0	1.0	
100	16QAM	1	1	21.07	21.07	21.07	23.0	1.0	
100	64QAM	1	1	20.09	20.09	20.09	21.0	2.0	
100	256QAM	1	1	18.08	18.08	18.08	19.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.05	22.05	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.47	22.07	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.44	22.05	22.09	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.03	22.01	22.48	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.38	22.04	22.08	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.48	22.03	22.48	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.09	22.02	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.49	22.06	22.00	24.0	0.0	

Part27Q n78_FCC Ant 7_PC3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (W)	Power Modem Ch.1 (W)	Power High Ch.1 (W)	Time-up time (min)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	22.01	22.01	22.01			
100	PV2 BPSK	1	157	22.08	22.08	22.08	24.0	0.0	
100	PV2 BPSK	1	251	22.07	22.07	22.07			
100	PV2 BPSK	155	0	22.48	22.48	22.48	23.0	0.0	
100	PV2 BPSK	155	40	22.01	22.01	22.01	24.0	0.0	
100	PV2 BPSK	155	158	21.87	21.87	21.87	23.0	0.0	
100	PV2 BPSK	270	0	22.14	22.14	22.14	23.0	0.0	
100	QPSK	1	1	22.07	22.07	22.07			
100	QPSK	1	157	22.01	22.01	22.01	24.0	0.0	
100	QPSK	1	251	22.47	22.47	22.47			
100	QPSK	155	0	22.03	22.03	22.03	23.0	1.0	
100	QPSK	155	40	22.08	22.08	22.08	24.0	0.0	
100	QPSK	155	158	21.00	21.00	21.00	23.0	1.0	
100	QPSK	270	0	21.00	21.00	21.00	23.0	1.0	
100	16QAM	1	1	21.08	21.08	21.08	23.0	1.0	
100	64QAM	1	1	20.09	20.09	20.09	21.0	2.0	
100	256QAM	1	1	18.08	18.08	18.08	19.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.40	22.07	22.40	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.48	22.40	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.42	22.08	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.44	22.03	22.40	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.45	22.04	22.07	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.47	22.02	22.48	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.44	22.04	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.54	22.05	22.00	24.0	0.0	



Reduced Power Level for 5G NR

n2 Ant0 DSI2 Standalone&Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1900			
20	P12 BPSK	1	1	22.15	22.24	22.17			
20	P12 BPSK	1	53	22.27	22.33	22.26	24.0	0.0	
20	P12 BPSK	1	104	22.19	22.26	22.24			
20	P12 BPSK	50	0	22.18	22.33	22.25	24.0	0.0	
20	P12 BPSK	50	28	22.13	22.31	22.30	24.0	0.0	
20	P12 BPSK	50	56	22.19	22.26	22.07			
20	P12 BPSK	100	0	22.13	22.22	22.13	24.0	0.0	
20	QPSK	1	1	22.53	22.55	22.38			
20	QPSK	1	53	22.05	22.19	22.05	24.0	0.0	
20	QPSK	1	104	22.25	22.34	22.20			
20	QPSK	50	0	22.15	22.23	22.17	24.0	0.0	
20	QPSK	50	28	22.21	22.41	22.25	24.0	0.0	
20	QPSK	50	56	22.17	22.35	22.29	24.0	0.0	
20	QPSK	100	0	22.21	22.37	22.29	24.0	0.0	
20	16QAM	1	1	22.40	22.47	22.41	24.0	0.0	
20	64QAM	1	1	21.37	21.48	21.31	22.5	1.5	
20	256QAM	1	1	19.23	19.26	19.23	20.5	3.5	
Channel				187.5	1860	1900.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1860	1902.5			
15	QPSK	1	1	22.23	22.43	22.24	24.0	0.0	
Channel				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1860	1905			
10	QPSK	1	1	22.42	22.41	22.17	24.0	0.0	
Channel				379500	379000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1872.5	1860	1877.5			
5	QPSK	1	1	22.25	22.35	22.16	24.0	0.0	

n5 Ant0 DSI2 Standalone&Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				168000	167300	167900			
Frequency (MHz)				834	836.5	836			
20	P12 BPSK	1	1	22.62	22.68	22.65			
20	P12 BPSK	1	53	22.62	22.63	22.54	24.0	0.0	
20	P12 BPSK	1	104	22.46	22.60	22.41			
20	P12 BPSK	50	0	22.50	22.55	22.45	24.0	0.0	
20	P12 BPSK	50	28	22.64	22.67	22.55	24.0	0.0	
20	P12 BPSK	50	56	22.50	22.56	22.41			
20	P12 BPSK	100	0	22.45	22.64	22.60	24.0	0.0	
20	QPSK	1	1	22.63	22.75	22.67			
20	QPSK	1	53	22.42	22.62	22.44	24.0	0.0	
20	QPSK	1	104	22.47	22.60	22.59			
20	QPSK	50	0	22.49	22.58	22.41	24.0	0.0	
20	QPSK	50	28	22.62	22.65	22.63	24.0	0.0	
20	QPSK	50	56	22.50	22.57	22.43	24.0	0.0	
20	QPSK	100	0	22.43	22.62	22.42	24.0	0.0	
20	16QAM	1	1	22.59	22.61	22.52	24.0	0.0	
20	64QAM	1	1	21.73	21.91	21.72	22.5	1.5	
20	256QAM	1	1	19.64	19.69	19.52	20.5	3.5	
Channel				167300	167300	167900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.48	22.54	22.39	24.0	0.0	
Channel				165800	167300	165800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				830	836.5	844			
10	QPSK	1	1	22.46	22.51	22.47	24.0	0.0	
Channel				165300	167300	165300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				828.5	836.5	843.5			
5	QPSK	1	1	22.50	22.45	22.42	24.0	0.0	

n66 Ant0 DSI2 Standalone&Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	346000	350000			
Frequency (MHz)				1730	1745	1760			
40	P12 BPSK	1	1	22.20	22.33	22.28			
40	P12 BPSK	1	108	22.16	22.34	22.19	24.0	0.0	
40	P12 BPSK	1	214	22.16	22.35	22.17			
40	P12 BPSK	108	0	22.09	22.28	22.25	24.0	0.0	
40	P12 BPSK	108	54	22.06	22.25	22.08	24.0	0.0	
40	P12 BPSK	108	108	22.16	22.27	22.17			
40	P12 BPSK	216	0	22.27	22.33	22.16	24.0	0.0	
40	QPSK	1	1	22.45	22.63	22.58			
40	QPSK	1	108	22.40	22.53	22.36	24.0	0.0	
40	QPSK	1	214	22.41	22.49	22.49			
40	QPSK	108	0	22.45	22.47	22.43	24.0	0.0	
40	QPSK	108	54	22.14	22.49	22.14	24.0	0.0	
40	QPSK	108	108	22.18	22.26	22.25	24.0	0.0	
40	QPSK	216	0	22.14	22.26	22.17	24.0	0.0	
40	16QAM	1	1	22.50	22.51	22.50	24.0	0.0	
40	64QAM	1	1	21.63	21.64	21.58	22.5	1.5	
40	256QAM	1	1	19.25	19.30	19.17	20.5	3.5	
Channel				345000	345000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.20	22.44	22.31	24.0	0.0	
Channel				344000	346000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.17	22.40	22.43	24.0	0.0	
Channel				343500	346000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.19	22.42	22.47	24.0	0.0	
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.31	22.42	22.30	24.0	0.0	
Channel				342500	346000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.25	22.47	22.37	24.0	0.0	



n2 Ant1 DSI2 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel				1600	1600	1600	17.8	0.0
Frequency (MHz)				1615	1623	1616		
20	Pl2 BPSK	1	1	1615	1623	1616	17.8	0.0
20	Pl2 BPSK	1	53	1626	1628	1623		
20	Pl2 BPSK	1	104	1617	1625	1613	17.8	0.0
20	Pl2 BPSK	50	0	1618	1629	1618		
20	Pl2 BPSK	50	26	1622	1628	1619	17.8	0.0
20	Pl2 BPSK	50	56	1615	1625	1618		
20	Pl2 BPSK	100	0	1619	1627	1617	17.8	0.0
20	QPSK	1	1	1629	1637	1631		
20	QPSK	1	53	1625	1631	1634	17.8	0.0
20	QPSK	1	104	1624	1629	1624		
20	QPSK	50	0	1620	1628	1624	17.8	0.0
20	QPSK	50	26	1622	1631	1624		
20	QPSK	50	56	1618	1624	1621	17.8	0.0
20	QPSK	100	0	1612	1625	1616		
20	16QAM	1	1	1612	1624	1619	17.8	0.0
20	64QAM	1	1	1625	1634	1621		
20	256QAM	1	1	1611	1623	1617	17.8	0.0
Channel				371900	376000	380500		
Frequency (MHz)				1607.5	1600	1602.5	17.8	0.0
15	QPSK	1	1	1623	1630	1617		
Channel				371500	376000	381000	17.8	0.0
Frequency (MHz)				1605	1600	1605		
10	QPSK	1	1	1621	1631	1622	17.8	0.0
Channel				372000	375000	381500		
Frequency (MHz)				1602.5	1600	1607.5	17.8	0.0
5	QPSK	1	1	1621	1628	1628		

n5 Ant1 DSI2 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	23.5	0.0
Frequency (MHz)				824	836.5	829		
20	Pl2 BPSK	1	1	2235	2236	2234	23.5	0.0
20	Pl2 BPSK	1	53	2225	2230	2224		
20	Pl2 BPSK	1	104	2209	2224	2214	23.5	0.0
20	Pl2 BPSK	50	0	2205	2223	2216		
20	Pl2 BPSK	50	26	2231	2234	2228	23.5	0.0
20	Pl2 BPSK	50	56	2208	2227	2223		
20	Pl2 BPSK	100	0	2228	2232	2231	23.5	0.0
20	QPSK	1	1	2232	2235	2247		
20	QPSK	1	53	2234	2233	2223	23.5	0.0
20	QPSK	1	104	2226	2231	2231		
20	QPSK	50	0	2209	2222	2205	23.5	0.0
20	QPSK	50	26	2231	2235	2217		
20	QPSK	50	56	2220	2222	2212	23.5	0.0
20	QPSK	100	0	2213	2225	2215		
20	16QAM	1	1	2242	2237	2242	23.5	0.0
20	64QAM	1	1	2170	2173	2158		
20	256QAM	1	1	1924	1943	1923	23.5	0.0
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5	23.5	0.0
15	QPSK	1	1	2236	2235	2221		
Channel				165800	167300	168800	23.5	0.0
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	2242	2233	2228	23.5	0.0
Channel				165300	167300	169300		
Frequency (MHz)				806.5	836.5	846.5	23.5	0.0
5	QPSK	1	1	2241	2225	2229		

n66 Ant1 DSI2 Standalone

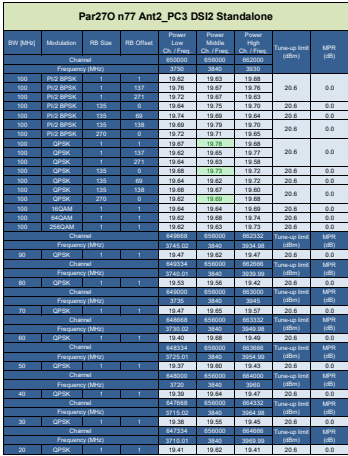
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	17.5	0.0
Frequency (MHz)				1720	1745	1760		
40	Pl2 BPSK	1	1	1625	1632	1635	17.5	0.0
40	Pl2 BPSK	1	108	1626	1637	1630		
40	Pl2 BPSK	1	214	1619	1634	1632	17.5	0.0
40	Pl2 BPSK	108	0	1616	1633	1630		
40	Pl2 BPSK	108	54	1621	1636	1620	17.5	0.0
40	Pl2 BPSK	108	108	1615	1629	1620		
40	Pl2 BPSK	216	0	1621	1631	1629	17.5	0.0
40	QPSK	1	1	1636	1653	1643		
40	QPSK	1	108	1624	1634	1625	17.5	0.0
40	QPSK	1	214	1612	1630	1624		
40	QPSK	108	0	1622	1632	1619	17.5	0.0
40	QPSK	108	54	1616	1626	1622		
40	QPSK	108	108	1625	1630	1627	17.5	0.0
40	QPSK	216	0	1620	1629	1619		
40	16QAM	1	1	1619	1632	1628	17.5	0.0
40	64QAM	1	1	1637	1647	1637		
40	256QAM	1	1	1623	1637	1633	17.5	0.0
Channel				346000	349000	353000		
Frequency (MHz)				1725	1745	1765	17.5	0.0
30	QPSK	1	1	1629	1644	1638		
Channel				345000	349000	354000	17.5	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	1626	1649	1632	17.5	0.0
Channel				345500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5	17.5	0.0
15	QPSK	1	1	1628	1642	1635		
Channel				343000	349000	355000	17.5	0.0
Frequency (MHz)				1716	1745	1775		
10	QPSK	1	1	1626	1649	1638	17.5	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5	17.5	0.0
5	QPSK	1	1	1624	1644	1631		



n2 Ant1 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (db)	
Channel				372000	376000	380000	16.5	0.0	
Frequency (MHz)				1860	1880	1900			
20	PQ2 BPSK	1	1	15.32	15.34	15.30	16.5	0.0	
20	PQ2 BPSK	1	53	15.24	15.29	15.24			
20	PQ2 BPSK	1	104	15.21	15.32	15.16			
20	PQ2 BPSK	50	0	15.15	15.26	15.23			
20	PQ2 BPSK	50	28	15.16	15.29	15.11	16.5	0.0	
20	PQ2 BPSK	50	56	15.23	15.27	15.15	16.5	0.0	
20	PQ2 BPSK	100	0	15.20	15.23	15.21			
20	QPSK	1	1	15.37	15.46	15.34			
20	QPSK	1	53	15.16	15.27	15.22			
20	QPSK	1	104	15.18	15.25	15.19	16.5	0.0	
20	QPSK	50	0	15.25	15.29	15.20			
20	QPSK	50	28	15.12	15.31	15.10			
20	QPSK	50	56	15.20	15.26	15.14			
20	QPSK	100	0	15.11	15.29	15.18	16.5	0.0	
20	16QAM	1	1	15.38	15.44	15.39			
20	64QAM	1	1	15.25	15.37	15.28			
20	256QAM	1	1	15.26	15.33	15.20			
Channel				371500	376000	380500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1857.5	1880	1902.5	16.5 <td colspan="2">0.0</td>	0.0	
15	QPSK	1	1	15.20	15.35	15.24	16.5	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	1	15.34	15.38	15.18		16.5	
Channel				370500	376000	381500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1862.5	1880	1907.5	16.5 <td colspan="2">0.0</td>	0.0	
5	QPSK	1	1	15.34	15.33	15.22	16.5	0.0	

n5 Ant1 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				166800	167300	167800	22.2	0.0	
Frequency (MHz)				834	836.5	839			
20	PV2 BPSK	1	1	21.13	21.27	21.20	22.2	0.0	
20	PV2 BPSK	1	53	21.01	21.15	21.06			
20	PV2 BPSK	1	104	21.15	21.18	21.03			
20	PV2 BPSK	50	0	21.04	21.19	21.07			
20	PV2 BPSK	50	28	21.12	21.25	21.22	22.2	0.0	
20	PV2 BPSK	50	56	21.19	21.28	21.16			
20	PV2 BPSK	100	0	21.20	21.23	21.15			
20	QPSK	1	1	21.27	21.34	21.26			
20	QPSK	1	53	21.05	21.22	21.19	22.2	0.0	
20	QPSK	1	104	21.13	21.25	21.21			
20	QPSK	50	0	21.17	21.22	21.12			
20	QPSK	50	28	21.20	21.29	21.20			
20	QPSK	50	56	21.16	21.23	21.15	22.2	0.0	
20	QPSK	100	0	21.11	21.24	21.10			
20	16QAM	1	1	21.25	21.28	21.11			
20	64QAM	1	1	21.23	21.31	21.16			
20	256QAM	1	1	19.68	19.84	19.69	20.5		1.7
Channel				166300	167300	168300	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				831.5	836.5	841.5	22.2	0.0	
15	QPSK	1	1	21.20	21.26	21.18	22.2	0.0	
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	21.24	21.32	21.16		22.2	
Channel				165300	167300	169300	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				826.5	836.5	846.5	22.2	0.0	
5	QPSK	1	1	21.11	21.26	21.17	22.2	0.0	

n66 Ant1 DS12 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	16.2	0.0	
Frequency (MHz)				1730	1745	1760			
40	PV2 BPSK	1	1	14.69	14.85	14.77	16.2	0.0	
40	PV2 BPSK	1	108	14.76	14.87	14.82			
40	PV2 BPSK	1	214	14.77	14.82	14.74			
40	PV2 BPSK	108	0	14.75	14.84	14.68			
40	PV2 BPSK	108	54	14.73	14.89	14.74	16.2	0.0	
40	PV2 BPSK	108	108	14.88	14.93	14.80			
40	PV2 BPSK	216	0	14.78	14.87	14.74			
40	QPSK	1	1	14.96	15.06	14.97			
40	QPSK	1	108	14.87	14.94	14.80	16.2	0.0	
40	QPSK	1	214	14.72	14.85	14.71			
40	QPSK	108	0	14.66	14.81	14.64			
40	QPSK	108	54	14.79	14.94	14.79			
40	QPSK	108	108	14.84	14.86	14.83	16.2	0.0	
40	QPSK	216	0	14.87	14.89	14.80			
40	16QAM	1	1	14.65	14.83	14.74			
40	64QAM	1	1	14.86	14.97	14.84			
40	256QAM	1	1	14.84	14.93	14.82	16.2	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	16.2	0.0	
30	QPSK	1	1	14.75	14.76	14.57	16.2	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	14.75	14.80	14.65		16.2	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	16.2	0.0	
15	QPSK	1	1	14.65	14.69	14.68	16.2	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	14.64	14.71	14.68		16.2	
Channel				342000	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	16.2	0.0	
5	QPSK	1	1	14.69	14.78	14.58	16.2	0.0	



Par270 n77 Ant_PC2 DS12 Standalone							
Bit Rate (Mbps)	Modulation	Bit Size	Bit Offset	Low Frequency (MHz)	Low Channel Width (MHz)	High Frequency (MHz)	High Channel Width (MHz)
Channel							
100	PSK BPSK	1	1	22.38	22.38	22.38	
100	Frequency (MHz)			22.38	22.38	22.38	22.38
100	PSK BPSK	1	1147	22.33	22.40	22.29	22.6
100	Frequency (MHz)			22.33	22.40	22.29	22.6
100	PSK BPSK	135	0	22.60	22.71	22.50	22.8
100	Frequency (MHz)			22.60	22.71	22.50	22.8
100	PSK BPSK	135	136	22.33	22.46	22.19	22.5
100	Frequency (MHz)			22.33	22.46	22.19	22.5
100	QPSK	250	0	22.28	22.32	22.24	22.5
100	Frequency (MHz)			22.28	22.32	22.24	22.5
100	QPSK	1	1147	22.43	22.48	22.44	22.5
100	Frequency (MHz)			22.43	22.48	22.44	22.5
100	QPSK	135	0	22.33	22.38	22.33	22.6
100	Frequency (MHz)			22.33	22.38	22.33	22.6
100	QPSK	135	136	22.33	22.36	22.34	22.5
100	Frequency (MHz)			22.33	22.36	22.34	22.5
100	QPSK	250	0	22.42	22.48	22.28	22.6
100	Frequency (MHz)			22.42	22.48	22.28	22.6
100	QPSK	250	251	22.42	22.48	22.35	22.6
100	Frequency (MHz)			22.42	22.48	22.35	22.6
Channel							
95	QPSK	1	1	22.35	22.35	22.35	22.6
95	Frequency (MHz)			22.35	22.35	22.35	22.6
80	PSK BPSK	1	1	22.613	22.600	22.596	22.6
80	Frequency (MHz)			22.613	22.600	22.596	22.6
80	QPSK	1	1	22.41	22.40	22.39	22.6
80	Frequency (MHz)			22.41	22.40	22.39	22.6
70	QPSK	1	1	22.35	22.35	22.35	22.6
70	Frequency (MHz)			22.35	22.35	22.35	22.6
60	PSK BPSK	1	1	22.773	22.760	22.752	22.6
60	Frequency (MHz)			22.773	22.760	22.752	22.6
50	QPSK	1	1	22.74	22.67	22.64	22.6
50	Frequency (MHz)			22.74	22.67	22.64	22.6
40	QPSK	1	1	22.62	22.55	22.57	22.6
40	Frequency (MHz)			22.62	22.55	22.57	22.6
30	QPSK	1	1	22.47	22.40	22.37	22.6
30	Frequency (MHz)			22.47	22.40	22.37	22.6
Channel							
20	QPSK	1	1	22.32	22.30	22.28	22.6
20	Frequency (MHz)			22.32	22.30	22.28	22.6

Par27Q n77_Ant_2_PC3 DS2 Standalone									
EN (dBm)	Modulation	RB Size	RB Offset	Ch. Center Freq (MHz)	Ch. Width (MHz)	Ch. Power (dBm)	Time per slot (ms)	MPR (dB)	
Channel									
100	PC3 BPSK	1	0	19.85	19.85	20.0	0.0		
100	PC3 BPSK	1	137	19.75	19.75	20.0	0.0		
100	PC3 BPSK	1	274	19.65	19.65	20.0	0.0		
100	PC3 BPSK	135	0	19.85	19.85	20.0	0.0		
100	PC3 BPSK	135	137	19.75	19.75	20.0	0.0		
100	PC3 BPSK	135	274	19.65	19.65	20.0	0.0		
100	QPSK	275	0	19.85	19.85	20.0	0.0		
100	QPSK	275	137	19.75	19.75	20.0	0.0		
100	QPSK	275	274	19.65	19.65	20.0	0.0		
100	QPSK	135	0	19.85	19.85	20.0	0.0		
100	QPSK	135	137	19.75	19.75	20.0	0.0		
100	QPSK	135	274	19.65	19.65	20.0	0.0		
100	QPSK	275	0	19.85	19.85	20.0	0.0		
100	16QAM	550	0	19.85	19.85	20.0	0.0		
100	64QAM	1	0	19.75	19.75	19.8	0.0		
100	256QAM	1	0	19.65	19.65	19.7	0.0		
Channel									
80	QPSK	1	0	83300	83300	83366	20.0	0.0	MPR
80	QPSK	1	1	83400	83400	83466	20.0	0.0	MPR
80	QPSK	1	2	83500	83500	83566	20.0	0.0	MPR
80	QPSK	1	3	83600	83600	83666	20.0	0.0	MPR
80	QPSK	1	4	83700	83700	83766	20.0	0.0	MPR
80	QPSK	1	5	83800	83800	83866	20.0	0.0	MPR
80	QPSK	1	6	83900	83900	83966	20.0	0.0	MPR
80	QPSK	1	7	84000	84000	84066	20.0	0.0	MPR
80	QPSK	1	8	84100	84100	84166	20.0	0.0	MPR
80	QPSK	1	9	84200	84200	84266	20.0	0.0	MPR
80	QPSK	1	10	84300	84300	84366	20.0	0.0	MPR
80	QPSK	1	11	84400	84400	84466	20.0	0.0	MPR
80	QPSK	1	12	84500	84500	84566	20.0	0.0	MPR
80	QPSK	1	13	84600	84600	84666	20.0	0.0	MPR
80	QPSK	1	14	84700	84700	84766	20.0	0.0	MPR
80	QPSK	1	15	84800	84800	84866	20.0	0.0	MPR
80	QPSK	1	16	84900	84900	84966	20.0	0.0	MPR
80	QPSK	1	17	85000	85000	85066	20.0	0.0	MPR
80	QPSK	1	18	85100	85100	85166	20.0	0.0	MPR
80	QPSK	1	19	85200	85200	85266	20.0	0.0	MPR
80	QPSK	1	20	85300	85300	85366	20.0	0.0	MPR
80	QPSK	1	21	85400	85400	85466	20.0	0.0	MPR
80	QPSK	1	22	85500	85500	85566	20.0	0.0	MPR
80	QPSK	1	23	85600	85600	85666	20.0	0.0	MPR
80	QPSK	1	24	85700	85700	85766	20.0	0.0	MPR
80	QPSK	1	25	85800	85800	85866	20.0	0.0	MPR
80	QPSK	1	26	85900	85900	85966	20.0	0.0	MPR
80	QPSK	1	27	86000	86000	86066	20.0	0.0	MPR
80	QPSK	1	28	86100	86100	86166	20.0	0.0	MPR
80	QPSK	1	29	86200	86200	86266	20.0	0.0	MPR
80	QPSK	1	30	86300	86300	86366	20.0	0.0	MPR
80	QPSK	1	31	86400	86400	86466	20.0	0.0	MPR
80	QPSK	1	32	86500	86500	86566	20.0	0.0	MPR
80	QPSK	1	33	86600	86600	86666	20.0	0.0	MPR
80	QPSK	1	34	86700	86700	86766	20.0	0.0	MPR
80	QPSK	1	35	86800	86800	86866	20.0	0.0	MPR
80	QPSK	1	36	86900	86900	86966	20.0	0.0	MPR
80	QPSK	1	37	87000	87000	87066	20.0	0.0	MPR
80	QPSK	1	38	87100	87100	87166	20.0	0.0	MPR
80	QPSK	1	39	87200	87200	87266	20.0	0.0	MPR
80	QPSK	1	40	87300	87300	87366	20.0	0.0	MPR
80	QPSK	1	41	87400	87400	87466	20.0	0.0	MPR
80	QPSK	1	42	87500	87500	87566	20.0	0.0	MPR
80	QPSK	1	43	87600	87600	87666	20.0	0.0	MPR
80	QPSK	1	44	87700	87700	87766	20.0	0.0	MPR
80	QPSK	1	45	87800	87800	87866	20.0	0.0	MPR
80	QPSK	1	46	87900	87900	87966	20.0	0.0	MPR
80	QPSK	1	47	88000	88000	88066	20.0	0.0	MPR
80	QPSK	1	48	88100	88100	88166	20.0	0.0	MPR
80	QPSK	1	49	88200	88200	88266	20.0	0.0	MPR
80	QPSK	1	50	88300	88300	88366	20.0	0.0	MPR
80	QPSK	1	51	88400	88400	88466	20.0	0.0	MPR
80	QPSK	1	52	88500	88500	88566	20.0	0.0	MPR
80	QPSK	1	53	88600	88600	88666	20.0	0.0	MPR
80	QPSK	1	54	88700	88700	88766	20.0	0.0	MPR
80	QPSK	1	55	88800	88800	88866	20.0	0.0	MPR
80	QPSK	1	56	88900	88900	88966	20.0	0.0	MPR
80	QPSK	1	57	89000	89000	89066	20.0	0.0	MPR
80	QPSK	1	58	89100	89100	89166	20.0	0.0	MPR
80	QPSK	1	59	89200	89200	89266	20.0	0.0	MPR
80	QPSK	1	60	89300	89300	89366	20.0	0.0	MPR
80	QPSK	1	61	89400	89400	89466	20.0	0.0	MPR
80	QPSK	1	62	89500	89500	89566	20.0	0.0	MPR
80	QPSK	1	63	89600	89600	89666	20.0	0.0	MPR
80	QPSK	1	64	89700	89700	89766	20.0	0.0	MPR
80	QPSK	1	65	89800	89800	89866	20.0	0.0	MPR
80	QPSK	1	66	89900	89900	89966	20.0	0.0	MPR
80	QPSK	1	67	90000	90000	90066	20.0	0.0	MPR
80	QPSK	1	68	90100	90100	90166	20.0	0.0	MPR
80	QPSK	1	69	90200	90200	90266	20.0	0.0	MPR
80	QPSK	1	70	90300	90300	90366	20.0	0.0	MPR
80	QPSK	1	71	90400	90400	90466	20.0	0.0	MPR
80	QPSK	1	72	90500	90500	90566	20.0	0.0	MPR
80	QPSK	1	73	90600	90600	90666	20.0	0.0	MPR
80	QPSK	1	74	90700	90700	90766	20.0	0.0	MPR
80	QPSK	1	75	90800	90800	90866	20.0	0.0	MPR
80	QPSK	1	76	90900	90900	90966	20.0	0.0	MPR
80	QPSK	1	77	91000	91000	91066	20.0	0.0	MPR
80	QPSK	1	78	91100	91100	91166	20.0	0.0	MPR
80	QPSK	1	79	91200	91200	91266	20.0	0.0	MPR
80	QPSK	1	80	91300	91300	91366	20.0	0.0	MPR
80	QPSK	1	81	91400	91400	91466	20.0	0.0	MPR
80	QPSK	1	82	91500	91500	91566	20.0	0.0	MPR
80	QPSK	1	83	91600	91600	91666	20.0	0.0	MPR
80	QPSK	1	84	91700	91700	91766	20.0	0.0	MPR
80	QPSK	1	85	91800	91800	91866	20.0	0.0	MPR
80	QPSK	1	86	91900	91900	91966	20.0	0.0	MPR
80	QPSK	1	87	92000	92000	92066	20.0	0.0	MPR
80	QPSK	1	88	92100	92100	92166	20.0	0.0	MPR
80	QPSK	1	89	92200	92200	92266	20.0	0.0	MPR
80	QPSK	1	90	92300	92300	92366	20.0	0.0	MPR
80	QPSK	1	91	92400	92400	92466	20.0	0.0	MPR
80	QPSK	1	92	92500	92500	92566	20.0	0.0	MPR
80	QPSK	1	93	92600	92600	92666	20.0	0.0	MPR
80	QPSK	1	94	92700	92700	92766	20.0	0.0	MPR
80	QPSK	1	95	92800	92800	92866	20.0	0.0	MPR
80	QPSK	1	96	92900	92900	92966	20.0	0.0	MPR
80	QPSK	1	97	93000	93000	93066	20.0	0.0	MPR
80	QPSK	1	98	93100	93100	93166	20.0	0.0	MPR
80	QPSK	1	99	93200	93200	93266	20.0	0.0	MPR
80	QPSK	1	100	93300	93300	93366	20.0	0.0	MPR

[illegible]

Part27Q n78 Ant2_PC3 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tuneup time (dBm)	MPN (dB)	
Channel									
Frequency (MHz)									
100	PI2-BPSK	1	1		19.43				
100	PI2-BPSK	1	137		19.41		20.6	0.0	
100	PI2-BPSK	1	271		19.35				
100	PI2-BPSK	135	6		19.40		20.6	0.0	
100	PI2-BPSK	135	48		19.42		20.6	0.0	
100	PI2-BPSK	135	136		19.35		20.6	0.0	
100	PI2-BPSK	270	0		19.37				
100	QPSK	1	1		19.34				
100	QPSK	1	137		19.43		20.6	0.0	
100	QPSK	1	271		19.48				
100	QPSK	135	6		19.39		20.3	0.3	
100	QPSK	135	48		19.42		20.6	0.0	
100	QPSK	135	136		19.38		20.3	0.3	
100	QPSK	270	0		19.36				
100	16QAM	1	1		19.33		20.3	0.3	
100	16QAM	1	1		19.39		18.9	1.8	
100	16QAM	1	1		19.32		19.6	0.6	
Channel									
Frequency (MHz)									
50	QPSK	1	1		19.35	19.36	19.35	20.6	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		19.24	19.30	19.60	20.6	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		19.05	19.12	19.31	20.6	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		18.80	18.96	19.20	20.6	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		18.50	18.77	19.00	20.6	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		18.20	18.84	19.60	20.6	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		17.90	18.84	19.60	20.6	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		17.60	19.04	19.70	20.6	0.0

Part27Q n78_Ant_2_PC3 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (dBm)	MPN (dB)	
Channel									
Frequency (MHz)									
100	PI2-BPSK	1	1		19.65				
100	PI2-BPSK	1	137		19.60		20.6	0.0	
100	PI2-BPSK	1	271		19.50				
100	PI2-BPSK	135	6		19.59		20.6	0.0	
100	PI2-BPSK	135	48		19.60		20.6	0.0	
100	PI2-BPSK	135	136		19.50		20.6	0.0	
100	PI2-BPSK	270	0		19.64				
100	QPSK	1	1		19.60				
100	QPSK	1	137		19.59		20.6	0.0	
100	QPSK	1	271		19.55				
100	QPSK	135	6		19.62		20.3	0.3	
100	QPSK	135	48		19.60		20.6	0.0	
100	QPSK	135	136		19.48		20.3	0.3	
100	QPSK	270	0		19.58				
100	16QAM	1	1		19.50		20.3	0.3	
100	16QAM	1	1		19.47		18.9	1.8	
100	16QAM	1	1		19.53		19.6	0.6	
Channel									
Frequency (MHz)									
50	QPSK	1	1		19.51	19.55	19.50	20.6	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		19.61	19.55	19.48	20.6	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		19.59	19.56	19.65	20.6	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		19.52	19.49	19.42	20.6	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		19.50	19.63	19.50	20.6	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		19.50	19.49	19.43	20.6	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		19.60	19.58	19.57	20.6	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		19.47	19.50	19.50	20.6	0.0

Par270 Ant2_PC3 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (W)	Power Max Ch.1 (W)	Power High Ch.1 (W)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	18.19	18.35	18.25			
100	PI2 BPSK	1	137	18.25	18.35	18.12	19.3	0.0	
100	PI2 BPSK	1	271	18.31	18.25	18.25			
100	PI2 BPSK	135	0	18.17	18.24	18.17	19.3	0.0	
100	PI2 BPSK	135	66	18.25	18.27	18.25	19.3	0.0	
100	PI2 BPSK	135	138	18.12	18.34	18.11	19.3	0.0	
100	PI2 BPSK	270	0	18.27	18.19	18.34			
100	QPSK	1	1	18.44	18.07	18.60			
100	QPSK	1	137	18.38	18.47	18.59	19.3	0.0	
100	QPSK	1	271	18.49	18.40	18.47			
100	QPSK	135	0	18.25	18.32	18.12	19.3	0.0	
100	QPSK	135	66	18.34	18.39	18.34	19.3	0.0	
100	QPSK	135	138	18.17	18.35	18.24	19.3	0.0	
100	QPSK	270	0	18.17	18.25	18.24			
100	16QAM	1	1	18.14	18.28	18.15	19.3	0.0	
100	16QAM	1	1	18.34	18.25	18.59	19.3	0.0	
100	256QAM	1	1	18.26	18.46	18.37	19.3	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.24	18.21	18.25	19.3	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.17	18.17	18.21	19.3	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.25	18.25	18.25	19.3	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.22	18.12	18.12	19.3	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.19	18.08	18.15	19.3	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.21	18.17	18.21	19.3	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.23	18.30	18.44	19.3	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.13	18.15	18.19	19.3	0.0	

Par270 n77 Ant2_PC2 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (W)	Power Max Ch.1 (W)	Power High Ch.1 (W)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	20.05	21.17	20.84			
100	PI2 BPSK	1	137	20.08	21.13	20.77	22.3	0.0	
100	PI2 BPSK	1	271	20.14	21.15	20.78			
100	PI2 BPSK	135	0	20.02	21.12	20.83	22.3	0.0	
100	PI2 BPSK	135	66	20.07	21.11	20.75	22.3	0.0	
100	PI2 BPSK	135	138	21.07	21.10	20.82	22.3	0.0	
100	PI2 BPSK	270	0	21.07	21.10	20.87			
100	QPSK	1	1	21.03	21.05	20.97			
100	QPSK	1	137	20.94	21.08	20.71	22.3	0.0	
100	QPSK	1	271	21.01	21.10	20.79	22.3	0.0	
100	QPSK	135	0	21.01	21.05	20.79	22.3	0.0	
100	QPSK	135	66	20.81	20.98	20.71	22.3	0.0	
100	QPSK	135	138	20.97	20.95	20.89	22.3	0.0	
100	QPSK	270	0	20.94	20.95	20.29	22.3	0.0	
100	16QAM	1	1	20.08	20.22	20.77	22.3	0.0	
100	16QAM	1	1	20.90	20.18	20.82	22.3	0.0	
100	256QAM	1	1	20.70	19.95	19.91	22.3	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.05	22.15	21.74	22.3	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.00	22.20	21.82	22.3	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.97	22.17	21.91	22.3	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.01	22.21	21.77	22.3	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.93	22.13	21.89	22.3	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.95	22.15	21.91	22.3	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.84	22.14	21.85	22.3	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.93	22.13	21.87	22.3	0.0	

Part27Q n77_Ant_2_PC3 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (W)	Power Max Ch.1 (W)	Power High Ch.1 (W)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1			18.15				
100	PI2 BPSK	1	137		18.27		19.3	0.0	
100	PI2 BPSK	1	271		18.25				
100	PI2 BPSK	135	0		18.24				
100	PI2 BPSK	135	66		18.27		19.3	0.0	
100	PI2 BPSK	135	138		18.04				
100	PI2 BPSK	270	0		18.15		19.3	0.0	
100	QPSK	1			18.07				
100	QPSK	1	137		18.47		19.3	0.0	
100	QPSK	1	271		18.45				
100	QPSK	135	0		18.32				
100	QPSK	135	66		18.27		19.3	0.0	
100	QPSK	135	138		18.25				
100	QPSK	270	0		18.25		19.3	0.0	
100	16QAM	1	1		18.06		19.3	0.0	
100	16QAM	1	1		18.25		19.3	0.0	
100	256QAM	1	1		18.45		19.3	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.17	19.17	18.31	19.3	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.24	19.21	18.35	19.3	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.20	19.05	18.38	19.3	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.22	19.12	18.52	19.3	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.18	19.08	18.38	19.3	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.21	19.17	18.31	19.3	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.23	19.12	18.58	19.3	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.25	19.09	18.44	19.3	0.0	

Part27Q n77_Ant_2_PC2 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (W)	Power Max Ch.1 (W)	Power High Ch.1 (W)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	0	21.37	21.37				
100	PI2 BPSK	1	137	21.36	21.36	22.3	0.0		
100	PI2 BPSK	1	27	21.34	21.34				
100	PI2 BPSK	128	0	21.32	21.32	22.3	0.0		
100	PI2 BPSK	128	136	21.36	21.36	22.3	0.0		
100	PI2 BPSK	272	0	21.40	21.40	22.3	0.0		
100	QPSK	1	137	21.38	21.38	22.3	0.0		
100	QPSK	1	27	21.40	21.40				
100	QPSK	128	0	21.32	21.32	22.3	0.0		
100	QPSK	128	136	21.35	21.35	22.3	0.0		
100	QPSK	272	0	21.40	21.40	22.3	0.0		
100	QPSK	1	0	21.37	21.37	22.3	0.0		
100	QPSK	1	1	21.40	21.40	22.3	0.0		
100	QPSK	1	2	21.40	21.40	22.3	0.0		
100	QPSK	1	3	21.40	21.40	22.3	0.0		
100	QPSK	1	4	21.40	21.40	22.3	0.0		
100	QPSK	1	5	21.40	21.40	22.3	0.0		
100	QPSK	1	6	21.40	21.40	22.3	0.0		
100	QPSK	1	7	21.40	21.40	22.3	0.0		
100	QPSK	1	8	21.40	21.40	22.3	0.0		
100	QPSK	1	9	21.40	21.40	22.3	0.0		
100	QPSK	1	10	21.40	21.40	22.3	0.0		
100	QPSK	1	11	21.40	21.40	22.3	0.0		
100	QPSK	1	12	21.40	21.40	22.3	0.0		
100	QPSK	1	13	21.40	21.40	22.3	0.0		
100	QPSK	1	14	21.40	21.40	22.3	0.0		
100	QPSK	1	15	21.40	21.40	22.3	0.0		
100	QPSK	1	16	21.40	21.40	22.3	0.0		
100	QPSK	1	17	21.40	21.40	22.3	0.0		
100	QPSK	1	18	21.40	21.40	22.3	0.0		
100	QPSK	1	19	21.40	21.40	22.3	0.0		
100	QPSK	1	20	21.40	21.40	22.3	0.0		
100	QPSK	1	21	21.40	21.40	22.3	0.0		
100	QPSK	1	22	21.40	21.40	22.3	0.0		
100	QPSK	1	23	21.40	21.40	22.3	0.0		
100	QPSK	1	24	21.40	21.40	22.3	0.0		
100	QPSK	1	25	21.40	21.40	22.3	0.0		
100	QPSK	1	26	21.40	21.40	22.3	0.0		
100	QPSK	1	27	21.40	21.40	22.3	0.0		
100	QPSK	1	28	21.40	21.40	22.3	0.0		
100	QPSK	1	29	21.40	21.40	22.3	0.0		
100	QPSK	1	30	21.40	21.40	22.3	0.0		
100	QPSK	1	31	21.40	21.40	22.3	0.0		
100	QPSK	1	32	21.40	21.40	22.3	0.0		
100	QPSK	1	33	21.40	21.40	22.3	0.0		
100	QPSK	1	34	21.40	21.40	22.3	0.0		
100	QPSK	1	35	21.40	21.40	22.3	0.0		
100	QPSK	1	36	21.40	21.40	22.3	0.0		
100	QPSK	1	37	21.40	21.40	22.3	0.0		
100	QPSK	1	38	21.40	21.40	22.3	0.0		
100	QPSK	1	39	21.40	21.40	22.3	0.0		
100	QPSK	1	40	21.40	21.40	22.3	0.0		
100	QPSK	1	41	21.40	21.40	22.3	0.0		
100	QPSK	1	42	21.40	21.40	22.3	0.0		
100	QPSK	1	43	21.40	21.40	22.3	0.0		
100	QPSK	1	44	21.40	21.40	22.3	0.0		
100	QPSK	1	45	21.40	21.40	22.3	0.0		
100	QPSK	1	46	21.40	21.40	22.3	0.0		
100	QPSK	1	47	21.40	21.40	22.3	0.0		
100	QPSK	1	48	21.40	21.40	22.3	0.0		
100	QPSK	1	49	21.40	21.40	22.3	0.0		
100	QPSK	1	50	21.40	21.40	22.3	0.0		
100	QPSK	1	51	21.40	21.40	22.3	0.0		
100	QPSK	1	52	21.40	21.40	22.3	0.0		
100	QPSK	1	53	21.40	21.40	22.3	0.0		
100	QPSK	1	54	21.40	21.40	22.3	0.0		
100	QPSK	1	55	21.40	21.40	22.3	0.0		
100	QPSK	1	56	21.40	21.40	22.3	0.0		
100	QPSK	1	57	21.40	21.40	22.3	0.0		
100	QPSK	1	58	21.40	21.40	22.3	0.0		
100	QPSK	1	59	21.40	21.40	22.3	0.0		
100	QPSK	1	60	21.40	21.40	22.3	0.0		
100	QPSK	1	61	21.40	21.40	22.3	0.0		
100	QPSK	1	62	21.40	21.40	22.3	0.0		
100	QPSK	1	63	21.40	21.40	22.3	0.0		
100	QPSK	1	64	21.40	21.40	22.3	0.0		
100	QPSK	1	65	21.40	21.40	22.3	0.0		
100	QPSK	1	66	21.40	21.40	22.3	0.0		
100	QPSK	1	67	21.40	21.40	22.3	0.0		
100	QPSK	1	68	21.40	21.40	22.3	0.0		
100	QPSK	1	69	21.40	21.40	22.3	0.0		
100	QPSK	1	70	21.40	21.40	22.3	0.0		
100	QPSK	1	71	21.40	21.40	22.3	0.0		
100	QPSK	1	72	21.40	21.40	22.3	0.0		
100	QPSK	1	73	21.40	21.40	22.3	0.0		
100	QPSK	1	74	21.40	21.40	22.3	0.0		
100	QPSK	1	75	21.40	21.40	22.3	0.0		
100	QPSK	1	76	21.40	21.40	22.3	0.0		
100	QPSK	1	77	21.40	21.40	22.3	0.0		
100	QPSK	1	78	21.40	21.40	22.3	0.0		
100	QPSK	1	79	21.40	21.40	22.3	0.0		
100	QPSK	1	80	21.40	21.40	22.3	0.0		
100	QPSK	1	81	21.40	21.40	22.3	0.0		
100	QPSK	1	82	21.40	21.40	22.3	0.0		
100	QPSK	1	83	21.40	21.40	22.3	0.0		
100	QPSK	1	84	21.40	21.40	22.3	0.0		
100	QPSK	1	85	21.40	21.40	22.3	0.0		
100	QPSK	1	86	21.40	21.40	22.3	0.0		
100	QPSK	1	87	21.40	21.40	22.3	0.0		
100	QPSK	1	88	21.40	21.40	22.3	0.0		
100	QPSK	1	89	21.40	21.40	22.3	0.0		
100	QPSK	1	90	21.40	21.40	22.3	0.0		
100	QPSK	1	91	21.40	21.40	22.3	0.0		
100	QPSK	1	92	21.40	21.40	22.3	0.0		
100	QPSK	1	93	21.40	21.40	22.3	0.0		
100	QPSK	1	94	21.40	21.40	22.3	0.0		
100	QPSK	1	95	21.40	21.40	22.3	0.0		
100	QPSK	1	96	21.40	21.40	22.3	0.0		
100	QPSK	1	97	21.40	21.40	22.3	0.0		
100	QPSK	1	98	21.40	21.40	22.3	0.0		
100	QPSK	1	99	21.40	21.40	22.3	0.0		
100	QPSK	1	100	21.40	21.40	22.3	0.0		
100	QPSK	1	101	21.40	21.40	22.3	0.0		
100	QPSK	1	102	21.40	21.40	22.3	0.0		
100	QPSK	1	103	21.40	21.40	22.3	0.0		
100	QPSK	1	104	21.40	21.40	22.3	0.0		
100	QPSK	1	105	21.40	21.40	22.3	0.0		
100	QPSK	1	106	21.40	21.40	22.3	0.0		
100	QPSK	1	107	21.40	21.40	22.3	0.0		
100	QPSK	1	108	21.40	21.40	22.3	0.0		
100	QPSK	1	109	21.40	21.40	22.3	0.0		
100	QPSK	1	110	21.40	21.40	22.3	0.0		
100	QPSK	1	111	21.40	21.40	22.3	0.0		
100	QPSK	1	112	21.40	21.40	22.3	0.0		
100	QPSK	1	113	21.40	21.40	22.3	0.0		
100	QPSK	1	114	21.40	21.40	22.3	0.0		
100	QPSK	1	115	21.40	21.40	22.3	0.0		
100	QPSK	1	116	21.40	21.40	22.3	0.0		
100	QPSK	1	117	21.40	21.40	22.3	0.0		
100	QPSK	1	118	21.40	21.40	22.3	0.0		
100	QPSK	1	119	21.40	21.40	22.3	0.0		
100	QPSK	1	120	21.40	21.40	22.3	0.0		
100	QPSK	1	121	21.40	21.40	22.3	0.0		
100	QPSK	1	122	21.40	21.40	22.3	0.0		
100	QPSK	1	123	21.40	21.40	22.3	0.0		
100	QPSK	1	124	21.40	21.40	22.3	0.0		
100	QPSK	1	125	21.40	21.40	22.3	0.0		
100	QPSK	1	126	21.40	21.40	22.3	0.0		
100	QPSK	1	127	21.40	21.40	22.3	0.0		
100	QPSK	1	128	21.40	21.40	22.3	0.0		
100	QPSK	1	129	21.40	21.40	22.3	0.0		
100	QPSK	1	130	21.40	21.40	22.3	0.0		
100	QPSK	1	131	21.40	21.40	22.3	0.0		
100	QPSK	1	132	21.40	21.40	22.3	0.0		
100	QPSK	1	133	21.40	21.40	22.3	0.0		
100	QPSK	1	134	21.40	21.40	22.3	0.0		
100	QPSK	1	135	21.40	21.40	22.3	0.0		
100	QPSK	1	136	21.40	21.40	22.3	0.0		
100	QPSK	1	137	21.40	21.40	22.3	0.0		
100	QPSK	1	138	21.40	21.40	22.3	0.0		
100	QPSK	1	139	21.40	21.40	22.3	0.0		
100	QPSK	1	140	21.40	21.40	22.3	0.0		
100	QPSK	1	141	21.40	21.40	22.3	0.0		
100	QPSK	1	142	21.40	21.40	22.3	0.0		
100	QPSK	1	143	21.40	21.40	22.3	0.0		
100	QPSK	1	144	21.40	21.40	22.3	0.0		
100	QPSK	1	14						

Part27Q n78 Ant2_PC3 DS12 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mw)	Power Main Ch. 1 (mw)	Power High Ch. 1 (mw)	Tune-up time (min)	MPN (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1		18.36			
100	PI2-BPSK	1	137		18.37		19.3	0.0
100	PI2-BPSK	1	271		18.27			
100	PI2-BPSK	135	0		18.22		19.3	0.0
100	PI2-BPSK	135	0		18.25		19.3	0.0
100	PI2-BPSK	135	136		18.02		19.3	0.0
100	PI2-BPSK	270	0		18.17			
100	QPSK	1	1		18.05			
100	QPSK	1	137		18.45		19.3	0.0
100	QPSK	1	271		18.47			
100	QPSK	135	0		18.30		19.3	0.0
100	QPSK	135	0		18.24		19.3	0.0
100	QPSK	135	136		18.24		19.3	0.0
100	QPSK	270	0		18.24			
100	SSB-QAM	1	1		18.06		19.3	0.0
100	SSB-QAM	1	1		18.33		18.8	0.5
100	SSB-QAM	1	1		18.44		19.3	0.5
Channel								
Frequency (MHz)								
50	QPSK	1	1		18.71	18.45	18.75	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1		18.52	18.82	18.70	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1		18.74	18.47	18.72	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1		18.14	18.00	18.07	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		18.48	18.81	18.70	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1		18.50	18.70	18.70	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1		18.62	18.88	18.88	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1		18.62	18.72	18.50	0.0

Part27Q n78_Ant_2_PC3 DS12 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mw)	Power Main Ch. 1 (mw)	Power High Ch. 1 (mw)	Tune-up time (min)	MPN (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1		18.36			
100	PI2-BPSK	1	137		18.37		19.3	0.0
100	PI2-BPSK	1	271		18.27			
100	PI2-BPSK	135	0		18.22		19.3	0.0
100	PI2-BPSK	135	0		18.25		19.3	0.0
100	PI2-BPSK	135	136		18.02		19.3	0.0
100	PI2-BPSK	270	0		18.17			
100	QPSK	1	1		18.05			
100	QPSK	1	137		18.45		19.3	0.0
100	QPSK	1	271		18.47			
100	QPSK	135	0		18.30		19.3	0.0
100	QPSK	135	0		18.24		19.3	0.0
100	QPSK	135	136		18.24		19.3	0.0
100	QPSK	270	0		18.24			
100	SSB-QAM	1	1		18.06		19.3	0.0
100	SSB-QAM	1	1		18.33		18.8	0.5
100	SSB-QAM	1	1		18.44		19.3	0.5
Channel								
Frequency (MHz)								
50	QPSK	1	1		18.50	18.80	18.75	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1		18.71	18.45	18.70	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1		18.47	18.72	18.64	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1		18.14	18.00	18.07	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		18.82	18.72	18.59	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1		18.40	18.61	18.50	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1		18.63	18.86	18.86	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1		18.50	18.71	18.70	0.0

Par27Q n77 Ant7_PC3 DS12 Standalone&Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.54	22.55	22.42		
100	PI2 BPSK	1	137	22.29	22.39	22.40	24.0	0.0
100	PI2 BPSK	1	271	22.40	22.50	22.54		
100	PI2 BPSK	135	0	22.25	22.45	22.20	24.0	0.0
100	PI2 BPSK	135	66	22.37	22.56	22.32	24.0	0.0
100	PI2 BPSK	135	138	22.29	22.36	22.25	24.0	0.0
100	PI2 BPSK	270	0	22.36	22.44	22.22		
100	QPSK	1	1	22.54	22.55	22.50		
100	QPSK	1	137	22.52	22.41	22.41	24.0	0.0
100	QPSK	1	271	22.50	22.60	22.53		
100	QPSK	135	0	22.28	22.43	22.23	24.0	0.0
100	QPSK	135	66	22.39	22.46	22.29	24.0	0.0
100	QPSK	135	138	22.29	22.38	22.14	24.0	0.0
100	QPSK	270	0	22.12	22.17	22.08		
100	16QAM	1	1	22.46	22.46	22.46	24.0	0.0
100	16QAM	1	1	21.70	21.62	21.62	23.0	1.0
100	256QAM	1	1	18.96	18.90	18.91	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.49	22.53	22.45	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.37	22.54	22.29	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.54	22.62	22.57	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.48	22.71	22.53	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.44	22.68	22.59	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.50	22.58	22.50	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.55	22.56	22.48	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.58	22.68	22.51	24.0	0.0

Par27Q n77 Ant7_PC2 DS12 Standalone&Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	25.48	25.57	25.39		
100	PI2 BPSK	1	137	25.48	25.48	25.35	27.0	0.0
100	PI2 BPSK	1	271	25.35	25.52	25.38		
100	PI2 BPSK	135	0	24.89	25.07	25.03	27.0	0.0
100	PI2 BPSK	135	66	25.30	25.39	25.23	27.0	0.0
100	PI2 BPSK	135	138	25.25	25.34	25.26	27.0	0.0
100	PI2 BPSK	270	0	25.27	25.33	25.37	27.0	0.0
100	QPSK	1	1	25.65	25.65	25.49		
100	QPSK	1	137	25.45	25.45	25.37	27.0	0.0
100	QPSK	1	271	25.25	25.37	25.35		
100	QPSK	135	0	25.39	25.41	25.38	27.0	0.0
100	QPSK	135	66	25.42	25.46	25.39	27.0	0.0
100	QPSK	135	138	25.15	25.16	25.12	27.0	0.0
100	QPSK	270	0	25.21	25.37	25.23	27.0	0.0
100	16QAM	1	1	25.25	25.35	25.26	27.0	0.0
100	16QAM	1	1	23.07	23.28	23.06	25.0	2.0
100	256QAM	1	1	20.81	21.11	21.01	23.0	4.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.66	25.66	25.49	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.60	25.50	25.49	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	25.48	25.60	25.50	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.43	25.53	25.42	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.68	25.67	25.49	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.58	25.67	25.40	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25.53	25.58	25.48	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.53	25.55	25.44	27.0	0.0

Par27Q n77_Ant 7_PC3 DS12 Standalone&Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.54	22.55	22.42		
100	PI2 BPSK	1	137	22.49	22.49	22.40	24.0	0.0
100	PI2 BPSK	1	271	22.54	22.54	22.54		
100	PI2 BPSK	135	0	22.25	22.45	22.20	24.0	0.0
100	PI2 BPSK	135	66	22.37	22.56	22.32	24.0	0.0
100	PI2 BPSK	135	138	22.29	22.36	22.25	24.0	0.0
100	PI2 BPSK	270	0	22.36	22.44	22.22		
100	QPSK	1	1	22.54	22.55	22.50		
100	QPSK	1	137	22.41	22.41	22.40	24.0	0.0
100	QPSK	1	271	22.53	22.63	22.53		
100	QPSK	135	0	22.41	22.41	22.41	24.0	0.0
100	QPSK	135	66	22.42	22.46	22.39	24.0	0.0
100	QPSK	135	138	22.25	22.35	22.21	24.0	0.0
100	QPSK	270	0	22.25	22.25	22.25	24.0	0.0
100	16QAM	1	1	22.46	22.46	22.46	24.0	0.0
100	16QAM	1	1	21.61	21.61	21.61	23.0	1.0
100	256QAM	1	1	18.43	18.43	18.43	21.0	3.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.49	22.54	22.51	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.48	22.54	22.45	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.41	22.69	22.59	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.53	22.69	22.52	24.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.51	22.69	22.58	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.38	22.54	22.36	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.41	22.42	22.34	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.44	22.52	22.39	24.0	0.0

Par27Q n77_Ant 7_PC2 DS12 Standalone&Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	25.54	25.57	25.39		
100	PI2 BPSK	1	137	25.44	25.44	25.35	27.0	0.0
100	PI2 BPSK	1	271	25.35	25.52	25.38		
100	PI2 BPSK	135	0	24.91	25.07	25.03	27.0	0.0
100	PI2 BPSK	135	66	25.30	25.39	25.23	27.0	0.0
100	PI2 BPSK	135	138	25.25	25.34	25.26	27.0	0.0
100	PI2 BPSK	270	0	25.27	25.33	25.37	27.0	0.0
100	QPSK	1	1	25.65	25.65	25.49		
100	QPSK	1	137	25.45	25.45	25.37	27.0	0.0
100	QPSK	1	271	25.25	25.37	25.35		
100	QPSK	135	0	25.39	25.41	25.38	27.0	0.0
100	QPSK	135	66	25.42	25.46	25.39	27.0	0.0
100	QPSK	135	138	25.15	25.17	25.21	27.0	0.0
100	QPSK	270	0	25.37	25.41	25.43	27.0	0.0
100	25QAM	1	1	25.65	25.65	25.49	22.0	4.0
100	25QAM	1	137	25.45	25.45	25.37	22.0	4.0
100	25QAM	1	271	25.25	25.37	25.35	22.0	4.0
100	25QAM	135	0	25.39	25.41	25.38	22.0	4.0
100	25QAM	135	66	25.42	25.46	25.39	22.0	4.0
100	25QAM	135	138	25.15	25.17	25.21	22.0	4.0
100	25QAM	270	0	25.37	25.41	25.43	22.0	4.0
20	PI2 BPSK	1	1	25.54	25.57	25.39		
20	PI2 BPSK	1	137	25.44	25.44	25.35	27.0	0.0
20	PI2 BPSK	1	271	25.35	25.52	25.38		
20	PI2 BPSK	135	0	24.91	25.07	25.03	27.0	0.0
20	PI2 BPSK	135	66	25.30	25.39	25.23	27.0	0.0
20	PI2 BPSK	135	138	25.25	25.34	25.26	27.0	0.0
20	PI2 BPSK	270	0	25.27	25.33	25.37	27.0	0.0
20	QPSK	1	1	25.65	25.65	25.49		
20	QPSK	1	137	25.45	25.45	25.37	27.0	0.0
20	QPSK	1	271	25.25	25.37	25.35		
20	QPSK	135	0	25.39	25.41	25.38	27.0	0.0
20	QPSK	135	66	25.42	25.46	25.39	27.0	0.0
20	QPSK	135	138	25.15	25.17	25.21	27.0	0.0
20	QPSK	270	0	25.37	25.41	25.43	27.0	0.0
20	25QAM	1	1	25.65	25.65	25.49	22.0	4.0
20	25QAM	1	137	25.45	25.45	25.37	22.0	4.0
20	25QAM	1	271	25.25	25.37	25.35	22.0	4.0
20	25QAM	135	0	25.39	25.41	25.38	22.0	4.0
20	25QAM	135	66	25.42	25.46	25.39	22.0	4.0
20	25QAM	135	138	25.15	25.17	25.21	22.0	4.0
20	25QAM	270	0	25.37	25.41	25.43	22.0	4.0

Part270 n78 Ant7_PC3 DS12 Standalone&Simultaneous							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Max Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Time-up time (dBm)
Channel				850000	850000	850000	
Frequency (MHz)				3150	3150	3150	
100	PI-C BPSK	1	1	22.85			
100	PI-C BPSK	1	137	22.39			24.0
100	PI-C BPSK	1	271	22.81			
100	PI-C BPSK	135	0	22.43			23.5
100	PI-C BPSK	135	86	22.60			23.5
100	PI-C BPSK	135	158	22.04			23.5
100	PI-C BPSK	270	0	22.18			23.5
100	QPSK	1	1	22.75			
100	QPSK	1	137	22.85			24.0
100	QPSK	1	271	22.47			
100	QPSK	135	0	22.74			23.0
100	QPSK	135	86	22.66			23.0
100	QPSK	135	158	21.58			23.0
100	QPSK	270	0	21.60			23.0
100	16QAM	1	1	21.87			23.0
100	16QAM	1	1	20.38			21.5
100	16QAM	1	1	18.26			18.5
Channel				849856	850000	850256	Time-up time (dB)
Frequency (MHz)				849856	850000	850256	MPR
80	QPSK	1	1	22.35	22.71	22.01	24.0
Channel				849334	850000	850666	Time-up time (dB)
Frequency (MHz)				849334	850000	850666	MPR
80	QPSK	1	1	22.47	22.67	22.01	24.0
Channel				849000	850000	851000	Time-up time (dB)
Frequency (MHz)				849000	850000	851000	MPR
70	QPSK	1	1	22.44	22.70	22.05	24.0
Channel				848666	850000	851334	Time-up time (dB)
Frequency (MHz)				848666	850000	851334	MPR
80	QPSK	1	1	22.35	22.61	22.00	24.0
Channel				848334	850000	851666	Time-up time (dB)
Frequency (MHz)				848334	850000	851666	MPR
80	QPSK	1	1	22.36	22.64	22.00	24.0
Channel				848000	850000	852000	Time-up time (dB)
Frequency (MHz)				848000	850000	852000	MPR
80	QPSK	1	1	22.40	22.68	22.00	24.0
Channel				847666	850000	852334	Time-up time (dB)
Frequency (MHz)				847666	850000	852334	MPR
80	QPSK	1	1	22.42	22.66	22.00	24.0
Channel				847334	850000	852666	Time-up time (dB)
Frequency (MHz)				847334	850000	852666	MPR
80	QPSK	1	1	22.49	22.66	22.50	24.0

Part270 n78_FCC Ant 7_PC3 DS12 Standalone&Simultaneous							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Max Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Time-up time (dBm)
Channel				833334	833334	833334	
Frequency (MHz)				833334	833334	833334	
100	PI-C BPSK	1	1	22.81			
100	PI-C BPSK	1	137	22.38			24.0
100	PI-C BPSK	1	271	22.77			
100	PI-C BPSK	135	0	22.48			23.5
100	PI-C BPSK	135	86	22.47			23.5
100	PI-C BPSK	135	158	21.87			23.5
100	PI-C BPSK	270	0	22.14			23.5
100	QPSK	1	1	22.85			
100	QPSK	1	137	22.51			24.0
100	QPSK	1	271	22.47			
100	QPSK	135	0	22.83			23.0
100	QPSK	135	86	22.80			23.0
100	QPSK	135	158	21.50			23.0
100	QPSK	270	0	21.50			23.0
100	16QAM	1	1	21.80			23.0
100	16QAM	1	1	20.23			21.5
100	16QAM	1	1	18.00			18.5
Channel				833334	833334	833334	Time-up time (dB)
Frequency (MHz)				833334	833334	833334	MPR
80	QPSK	1	1	22.40	22.57	22.40	24.0
Channel				833000	833334	833666	Time-up time (dB)
Frequency (MHz)				833000	833334	833666	MPR
80	QPSK	1	1	22.46	22.65	22.01	24.0
Channel				832666	833334	834000	Time-up time (dB)
Frequency (MHz)				832666	833334	834000	MPR
70	QPSK	1	1	22.42	22.66	22.01	24.0
Channel				832334	833334	834334	Time-up time (dB)
Frequency (MHz)				832334	833334	834334	MPR
80	QPSK	1	1	22.44	22.63	22.00	24.0
Channel				832000	833334	834666	Time-up time (dB)
Frequency (MHz)				832000	833334	834666	MPR
80	QPSK	1	1	22.45	22.64	22.07	24.0
Channel				831666	833334	835000	Time-up time (dB)
Frequency (MHz)				831666	833334	835000	MPR
80	QPSK	1	1	22.47	22.62	22.40	24.0
Channel				831334	833334	835334	Time-up time (dB)
Frequency (MHz)				831334	833334	835334	MPR
80	QPSK	1	1	22.44	22.61	22.40	24.0



n2 Ant0 DSI3 standalone								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 373000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 380000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1600	1600	1600		
20	Pi2 BPSK	1	1	18.34	18.41	18.37		
20	Pi2 BPSK	1	53	18.31	18.39	18.25	19.7	0.0
20	Pi2 BPSK	1	104	18.31	18.46	18.37		
20	Pi2 BPSK	50	0	18.28	18.34	18.20	19.7	0.0
20	Pi2 BPSK	50	26	18.22	18.31	18.21	19.7	0.0
20	Pi2 BPSK	50	56	18.24	18.35	18.23		
20	Pi2 BPSK	100	0	18.20	18.31	18.16	19.7	0.0
20	QPSK	1	1	18.61	18.67	18.58		
20	QPSK	1	53	18.36	18.47	18.36	19.7	0.0
20	QPSK	1	104	18.33	18.41	18.36		
20	QPSK	50	0	18.36	18.44	18.32	19.7	0.0
20	QPSK	50	26	18.31	18.45	18.34	19.7	0.0
20	QPSK	50	56	18.23	18.35	18.35		
20	QPSK	100	0	18.27	18.43	18.29	19.7	0.0
20	16QAM	1	1	18.34	18.45	18.36	19.7	0.0
20	16QAM	1	1	18.51	18.63	18.56	19.7	0.0
20	256QAM	1	1	18.47	18.59	18.54	19.7	0.0
Channel								
Frequency (MHz)				1607.5	1680	1602.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.47	18.54	18.48	19.7	0.0
Channel								
Frequency (MHz)				371600	376000	380600	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.55	18.60	18.55	19.7	0.0
Channel								
Frequency (MHz)				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.49	18.48	18.54	19.7	0.0
Channel								
Frequency (MHz)				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	18.49	18.46	18.45	19.7	0.0

n5 Ant0 DSI3 standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 16800	Power Middle Ch. / Freq. 16730	Power High Ch. / Freq. 16760	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]				16800	16730	16760			
20	Pi2 BPSK	1	1	22.62	22.68	22.65			
20	Pi2 BPSK	1	53	22.62	22.63	22.54	24.0	0.0	
20	Pi2 BPSK	1	104	22.46	22.60	22.41			
20	Pi2 BPSK	50	0	22.50	22.55	22.49	24.0	0.0	
20	Pi2 BPSK	50	26	22.64	22.67	22.55	24.0	0.0	
20	Pi2 BPSK	50	56	22.50	22.56	22.41	24.0	0.0	
20	Pi2 BPSK	100	0	22.45	22.84	22.60	24.0	0.0	
20	QPSK	1	1	22.63	22.75	22.67			
20	QPSK	1	53	22.42	22.62	22.44	24.0	0.0	
20	QPSK	1	104	22.47	22.60	22.35			
20	QPSK	50	0	22.49	22.58	22.41	24.0	0.0	
20	QPSK	50	26	22.62	22.65	22.63	24.0	0.0	
20	QPSK	50	56	22.50	22.57	22.43	24.0	0.0	
20	QPSK	100	0	22.43	22.62	22.42	24.0	0.0	
20	16QAM	1	1	22.59	22.61	22.52	24.0	0.0	
20	64QAM	1	1	21.73	21.91	21.72	22.5	1.5	
20	256QAM	1	1	19.04	19.09	19.02	20.5	3.5	
Channel									
Frequency [MHz]				831.5	836.5	841.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.48	22.54	22.39	24.0	0.0	
Channel									
Frequency [MHz]				829	836.5	844		MPR (dB)	
10	QPSK	1	1	22.46	22.51	22.47	24.0	0.0	
Channel									
Frequency [MHz]				826.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.50	22.45	22.42	24.0	0.0	

n66 Ant0 DSI3 standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1730	1745	1760			
40	Pi2 BPSK	1	1	18.51	18.54	18.46			
40	Pi2 BPSK	1	108	18.57	18.61	18.54	19.6	0.0	
40	Pi2 BPSK	1	214	18.40	18.47	18.31			
40	Pi2 BPSK	108	0	18.43	18.54	18.47	19.6	0.0	
40	Pi2 BPSK	108	54	18.31	18.45	18.34	19.6	0.0	
40	Pi2 BPSK	108	108	18.39	18.55	18.48			
40	Pi2 BPSK	216	0	18.34	18.50	18.47	19.6	0.0	
40	QPSK	1	1	18.57	18.68	18.65			
40	QPSK	1	108	18.45	18.55	18.40	19.6	0.0	
40	QPSK	1	214	18.41	18.51	18.39			
40	QPSK	108	0	18.33	18.49	18.35	19.6	0.0	
40	QPSK	108	54	18.40	18.60	18.48	19.6	0.0	
40	QPSK	108	108	18.48	18.52	18.50			
40	QPSK	216	0	18.38	18.53	18.46			
40	16QAM	1	1	18.60	18.65	18.48	19.6	0.0	
40	64QAM	1	1	18.46	18.57	18.49	19.6	0.0	
40	256QAM	1	1	18.35	18.46	18.38	19.6	0.0	
Channel									
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.47	18.57	18.55	19.6	0.0	
Channel									
Frequency (MHz)				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	18.44	18.54	18.50	19.6	0.0	
Channel									
Frequency (MHz)				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	18.54	18.64	18.57	19.6	0.0	
Channel									
Frequency (MHz)				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.46	18.58	18.58	19.6	0.0	
Channel									
Frequency (MHz)				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	18.53	18.57	18.54	19.6	0.0	



n2 Ant0 DSI3 simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	Pl2 BPSK	1	1	14.40	14.43	14.43			
20	Pl2 BPSK	1	53	14.35	14.45	14.36	15.7	0.0	
20	Pl2 BPSK	1	104	14.39	14.41	14.39			
20	Pl2 BPSK	50	0	14.27	14.39	14.34	15.7	0.0	
20	Pl2 BPSK	50	26	14.38	14.38	14.31	15.7	0.0	
20	Pl2 BPSK	50	56	14.28	14.42	14.37			
20	Pl2 BPSK	100	0	14.28	14.40	14.35	15.7	0.0	
20	QPSK	1	1	14.49	14.62	14.56			
20	QPSK	1	53	14.32	14.43	14.33	15.7	0.0	
20	QPSK	1	104	14.33	14.39	14.33			
20	QPSK	50	0	14.29	14.38	14.36	15.7	0.0	
20	QPSK	50	26	14.36	14.43	14.28	15.7	0.0	
20	QPSK	50	56	14.25	14.37	14.26			
20	QPSK	100	0	14.34	14.41	14.28			
20	16QAM	1	1	14.48	14.57	14.44	15.7	0.0	
20	16QAM	1	1	14.49	14.56	14.46	15.7	0.0	
20	256QAM	1	1	14.38	14.47	14.45	15.7	0.0	
Channel				371600	376000	380600	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)	(dB)	
15	QPSK	1	1	14.40	14.58	14.53	15.7	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1880	1905	(dBm)	(dB)	
10	QPSK	1	1	14.46	14.48	14.51	15.7	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1880	1907.5	(dBm)	(dB)	
5	QPSK	1	1	14.36	14.54	14.44	15.7	0.0	

n5 Ant0 DSI3 simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				168800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	21.86	21.92	21.89			
20	Pl2 BPSK	1	53	21.78	21.87	21.80	23.5	0.0	
20	Pl2 BPSK	1	104	21.66	21.84	21.81			
20	Pl2 BPSK	50	0	21.70	21.83	21.85	23.5	0.0	
20	Pl2 BPSK	50	26	21.77	21.85	21.83	23.5	0.0	
20	Pl2 BPSK	50	56	21.75	21.92	21.86			
20	Pl2 BPSK	100	0	21.83	21.88	21.81	23.5	0.0	
20	QPSK	1	1	21.97	22.07	21.93			
20	QPSK	1	53	21.76	21.84	21.88	23.5	0.0	
20	QPSK	1	104	21.70	21.86	21.79			
20	QPSK	50	0	21.75	21.85	21.74	23.5	0.0	
20	QPSK	50	26	21.87	21.86	21.78	23.5	0.0	
20	QPSK	50	56	21.78	21.92	21.80	23.5	0.0	
20	QPSK	100	0	21.88	21.91	21.82			
20	16QAM	1	1	21.84	22.01	21.96	23.5	0.0	
20	16QAM	1	1	21.85	21.97	21.89	23.0	0.5	
20	256QAM	1	1	20.03	20.06	19.90	21.0	2.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	21.88	21.90	21.83	23.5	0.0	
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	21.84	22.02	21.76	23.5	0.0	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	21.89	21.96	21.81	23.5	0.0	

n66 Ant0 DSI3 simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	15.33	15.38	15.35			
40	Pl2 BPSK	1	108	15.26	15.31	15.23	16.7	0.0	
40	Pl2 BPSK	1	214	15.31	15.35	15.29			
40	Pl2 BPSK	108	0	15.22	15.34	15.23	16.7	0.0	
40	Pl2 BPSK	108	44	15.31	15.41	15.31	16.7	0.0	
40	Pl2 BPSK	108	108	15.29	15.34	15.25			
40	Pl2 BPSK	216	0	15.26	15.33	15.29	16.7	0.0	
40	QPSK	1	1	15.36	15.49	15.41			
40	QPSK	1	108	15.24	15.33	15.20	16.7	0.0	
40	QPSK	1	214	15.25	15.30	15.20			
40	QPSK	108	0	15.30	15.37	15.35	16.7	0.0	
40	QPSK	108	54	15.26	15.36	15.25	16.7	0.0	
40	QPSK	108	108	15.35	15.31	15.34	16.7	0.0	
40	QPSK	216	0	15.23	15.33	15.27			
40	16QAM	1	1	15.36	15.41	15.28	16.7	0.0	
40	16QAM	1	1	15.28	15.36	15.29	16.7	0.0	
40	256QAM	1	1	15.23	15.32	15.22	16.7	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	15.31	15.40	15.35	16.7	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1730	1745	1760	(dBm)	(dB)	
20	QPSK	1	1	15.29	15.40	15.36	16.7	0.0	
Channel				345000	349000	350000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	15.23	15.38	15.38	16.7	0.0	
Channel				345000	349000	350000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	15.27	15.36	15.29	16.7	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	15.28	15.42	15.28	16.7	0.0	



n2 Ant1 DSI3 standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1860			
20	Pi2 BPSK	1	1	19.36	19.53	19.42			
20	Pi2 BPSK	1	53	19.17	19.46	19.29	20.5	0.0	
20	Pi2 BPSK	1	104	19.17	19.40	19.15			
20	Pi2 BPSK	50	0	19.23	19.33	19.19	20.5	0.0	
20	Pi2 BPSK	50	26	19.07	19.36	19.16	20.5	0.0	
20	Pi2 BPSK	50	56	19.11	19.32	19.17			
20	Pi2 BPSK	100	0	19.10	19.37	19.10	20.5	0.0	
20	QPSK	1	1	19.30	19.55	19.27			
20	QPSK	1	53	19.35	19.40	19.29	20.5	0.0	
20	QPSK	1	104	19.15	19.36	19.17			
20	QPSK	50	0	19.04	19.31	19.11	20.5	0.0	
20	QPSK	50	26	19.21	19.33	19.16	20.5	0.0	
20	QPSK	50	56	19.02	19.32	19.03			
20	QPSK	100	0	19.25	19.35	19.24			
20	16QAM	1	1	19.12	19.37	19.24	20.5	0.0	
20	16QAM	1	1	19.63	19.83	19.59	20.5	0.0	
20	256QAM	1	1	19.39	19.59	19.24	20.5	0.0	
Channel				371600	376000	380600	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1860	1862.5	(dBm)	(dB)	
15	QPSK	1	1	19.19	19.49	19.09	20.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1860	1905	(dBm)	(dB)	
10	QPSK	1	1	19.12	19.39	19.17	20.5	0.0	
Channel				370000	370000	381500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1860	1907.5	(dBm)	(dB)	
5	QPSK	1	1	19.14	19.40	19.25	20.5	0.0	

n5 Ant1 DSI3 standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				168800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pi2 BPSK	1	1	22.35	22.39	22.34			
20	Pi2 BPSK	1	53	22.25	22.30	22.24	24.0	0.0	
20	Pi2 BPSK	1	104	22.09	22.24	22.14			
20	Pi2 BPSK	50	0	22.05	22.23	22.16	24.0	0.0	
20	Pi2 BPSK	50	26	22.11	22.34	22.28	24.0	0.0	
20	Pi2 BPSK	50	56	22.08	22.27	22.23			
20	Pi2 BPSK	100	0	22.28	22.32	22.31	24.0	0.0	
20	QPSK	1	1	22.52	22.55	22.47			
20	QPSK	1	53	22.24	22.33	22.23	24.0	0.0	
20	QPSK	1	104	22.26	22.31	22.31			
20	QPSK	50	0	22.09	22.22	22.05	24.0	0.0	
20	QPSK	50	26	22.31	22.33	22.17	24.0	0.0	
20	QPSK	50	56	22.20	22.22	22.12			
20	QPSK	100	0	22.13	22.28	22.15	24.0	0.0	
20	16QAM	1	1	22.42	22.37	22.42	24.0	0.0	
20	16QAM	1	1	21.70	21.73	21.58	22.5	1.5	
20	256QAM	1	1	19.24	19.43	19.23	20.5	3.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.36	22.36	22.21	24.0	0.0	
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.42	22.33	22.28	24.0	0.0	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.41	22.25	22.29	24.0	0.0	

n66 Ant1 DSI3 standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pi2 BPSK	1	1	18.89	18.89	18.72			
40	Pi2 BPSK	1	108	18.83	18.98	18.81	20.0	0.0	
40	Pi2 BPSK	1	214	18.73	18.89	18.77			
40	Pi2 BPSK	108	0	18.88	18.93	18.76	20.0	0.0	
40	Pi2 BPSK	108	44	18.84	18.86	18.77	20.0	0.0	
40	Pi2 BPSK	108	108	18.85	18.95	18.86			
40	Pi2 BPSK	216	0	18.79	18.94	18.85	20.0	0.0	
40	QPSK	1	1	18.89	18.14	19.02			
40	QPSK	1	108	18.91	19.03	19.00	20.0	0.0	
40	QPSK	1	214	18.72	18.89	18.71			
40	QPSK	108	0	18.77	18.93	18.86	20.0	0.0	
40	QPSK	108	54	18.86	18.96	18.85	20.0	0.0	
40	QPSK	108	108	18.98	18.91	18.99			
40	QPSK	216	0	18.81	18.98	18.82	20.0	0.0	
40	16QAM	1	1	18.91	18.98	18.84	20.0	0.0	
40	16QAM	1	1	19.02	19.05	18.95	20.0	0.0	
40	256QAM	1	1	19.83	19.96	19.87	20.0	0.0	
Channel				346000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	18.96	19.06	18.92	20.0	0.0	
Channel				346000	349000	356000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	19.03	19.03	18.94	20.0	0.0	
Channel				345000	349000	356000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	19.03	19.07	18.86	20.0	0.0	
Channel				345000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	18.93	19.05	18.94	20.0	0.0	
Channel				345000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	19.05	19.10	18.87	20.0	0.0	



n2 Ant1 DSI3 simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1900			
20	Pl2 BPSK	1	1	16.85	17.02	16.91			
20	Pl2 BPSK	1	53	16.66	16.95	16.78	17.9	0.0	
20	Pl2 BPSK	1	104	16.66	16.86	16.64			
20	Pl2 BPSK	50	0	16.72	16.82	16.88	17.9	0.0	
20	Pl2 BPSK	50	26	16.56	16.85	16.65	17.9	0.0	
20	Pl2 BPSK	50	56	16.60	16.81	16.66			
20	Pl2 BPSK	100	0	16.59	16.86	16.59	17.9	0.0	
20	QPSK	1	1	16.79	17.04	16.76			
20	QPSK	1	53	16.84	16.98	16.76	17.9	0.0	
20	QPSK	1	104	16.64	16.85	16.66			
20	QPSK	50	0	16.53	16.80	16.60	17.9	0.0	
20	QPSK	50	26	16.79	16.82	16.58	17.9	0.0	
20	QPSK	50	56	16.51	16.81	16.52			
20	QPSK	100	0	16.74	16.84	16.73	17.9	0.0	
20	16QAM	1	1	16.61	16.86	16.73	17.9	0.0	
20	64QAM	1	1	16.12	16.32	16.08	17.9	0.0	
20	256QAM	1	1	15.11	15.12	15.10	17.9	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1860	1902.5	(dBm)	(dB)	
15	QPSK	1	1	16.68	16.98	16.58	17.9	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1860	1905	(dBm)	(dB)	
10	QPSK	1	1	16.61	16.88	16.66	17.9	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1860	1907.5	(dBm)	(dB)	
5	QPSK	1	1	16.63	16.89	16.74	17.9	0.0	

n5 Ant1 DSI3 simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				168800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.35	22.39	22.34			
20	Pl2 BPSK	1	53	22.25	22.30	22.24	24.0	0.0	
20	Pl2 BPSK	1	104	22.09	22.24	22.14			
20	Pl2 BPSK	50	0	22.05	22.23	22.16	24.0	0.0	
20	Pl2 BPSK	50	26	22.31	22.34	22.28	24.0	0.0	
20	Pl2 BPSK	50	56	22.08	22.27	22.23			
20	Pl2 BPSK	100	0	22.28	22.32	22.31	24.0	0.0	
20	QPSK	1	1	22.62	22.50	22.47			
20	QPSK	1	53	22.24	22.33	22.23	24.0	0.0	
20	QPSK	1	104	22.26	22.31	22.31			
20	QPSK	50	0	22.09	22.22	22.05	24.0	0.0	
20	QPSK	50	26	22.31	22.33	22.17	24.0	0.0	
20	QPSK	50	56	22.20	22.22	22.12			
20	QPSK	100	0	22.13	22.28	22.15	24.0	0.0	
20	16QAM	1	1	22.42	22.37	22.42	24.0	0.0	
20	64QAM	1	1	21.70	21.73	21.58	22.5	1.5	
20	256QAM	1	1	19.24	19.43	19.23	20.5	3.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.36	22.36	22.21	24.0	0.0	
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.42	22.33	22.28	24.0	0.0	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.41	22.25	22.29	24.0	0.0	

n66 Ant1 DSI3 simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	15.79	15.65	15.72			
40	Pl2 BPSK	1	108	15.75	15.91	15.81	16.7	0.0	
40	Pl2 BPSK	1	214	15.72	15.83	15.79			
40	Pl2 BPSK	108	0	15.81	15.93	15.76	16.7	0.0	
40	Pl2 BPSK	108	44	15.78	15.87	15.60	16.7	0.0	
40	Pl2 BPSK	108	108	15.83	15.96	15.85			
40	Pl2 BPSK	216	0	15.81	15.83	15.72	16.7	0.0	
40	QPSK	1	1	15.90	16.02	15.86			
40	QPSK	1	108	15.81	15.93	15.68	16.7	0.0	
40	QPSK	1	214	15.78	15.84	15.80			
40	QPSK	108	0	15.74	15.82	15.77	16.7	0.0	
40	QPSK	108	54	15.80	15.94	15.83	16.7	0.0	
40	QPSK	108	108	15.64	15.78	15.71			
40	QPSK	216	0	15.75	15.82	15.79	16.7	0.0	
40	16QAM	1	1	15.89	15.97	15.81	16.7	0.0	
40	64QAM	1	1	15.72	15.86	15.75	16.7	0.0	
40	256QAM	1	1	15.73	15.86	15.72	16.7	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	15.79	15.58	15.66	15.7	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1730	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	15.70	15.94	15.77	16.7	0.0	
Channel				345000	349000	351000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	15.73	15.89	15.65	16.7	0.0	
Channel				345000	349000	350000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	14.93	15.05	14.96	16.7	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	15.85	15.89	15.74	16.7	0.0	



Par270 n77 Ant2_PC3 DSi3 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	14.85	14.85	14.77			
100	PI2 BPSK	1	137	14.95	14.99	14.92	15.7	0.0	
100	PI2 BPSK	1	271	14.98	14.97	14.94			
100	PI2 BPSK	135	0	14.97	14.78	14.89	15.7	0.0	
100	PI2 BPSK	135	86	14.94	14.76	14.89	15.7	0.0	
100	PI2 BPSK	135	138	14.94	14.86	14.89	15.7	0.0	
100	PI2 BPSK	270	0	14.98	14.97	14.77			
100	QPSK	1	1	15.04	15.05	15.75			
100	QPSK	1	137	14.76	14.97	14.92	15.7	0.0	
100	QPSK	1	271	14.94	14.93	14.92			
100	QPSK	135	0	14.78	14.82	14.79	15.7	0.0	
100	QPSK	135	86	14.76	14.86	14.89	15.7	0.0	
100	QPSK	135	138	14.97	14.75	14.89	15.7	0.0	
100	QPSK	270	0	14.72	14.85	14.84			
100	16QAM	1	1	14.97	14.85	14.92	15.7	0.0	
100	16QAM	1	1	14.85	14.94	14.85	15.7	0.0	
100	16QAM	1	1	14.95	14.76	14.84	15.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	14.94	14.95	14.95	15.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.79	14.85	14.92	15.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.85	14.85	14.85	15.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	14.78	14.87	14.83	15.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.83	14.85	14.84	15.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.78	14.79	14.81	15.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.78	14.80	14.82	15.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.81	14.81	14.86	15.7	0.0	

Par270 n77 Ant2_PC2 DSi3 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	17.81	17.74	17.72			
100	PI2 BPSK	1	137	17.72	17.75	17.85	18.7	0.0	
100	PI2 BPSK	1	271	17.75	17.87	17.83			
100	PI2 BPSK	135	0	17.78	17.68	17.79	18.7	0.0	
100	PI2 BPSK	135	86	17.85	17.67	17.75	18.7	0.0	
100	PI2 BPSK	135	138	17.88	17.84	17.71	18.7	0.0	
100	PI2 BPSK	270	0	17.82	17.84	17.81			
100	QPSK	1	1	17.85	17.85	17.85			
100	QPSK	1	137	17.87	17.85	17.83	18.7	0.0	
100	QPSK	1	271	17.88	17.88	17.85			
100	QPSK	135	0	17.88	17.88	17.78	18.7	0.0	
100	QPSK	135	86	17.88	17.88	17.88	18.7	0.0	
100	QPSK	135	138	17.88	17.81	17.77	18.7	0.0	
100	QPSK	270	0	17.84	17.85	17.75			
100	16QAM	1	1	17.75	17.85	17.82	18.7	0.0	
100	16QAM	1	1	17.88	17.88	17.84	18.7	0.0	
100	16QAM	1	1	17.71	17.75	17.78	18.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.72	17.74	17.71	18.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.82	17.85	17.83	18.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.73	17.77	17.79	18.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.85	17.87	17.83	18.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.78	17.79	17.72	18.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.75	17.71	17.71	18.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.73	17.73	17.73	18.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.99	17.17	16.99	18.7	0.0	

Part27Q n77_Ant_2_PC3 DSi3 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		15.03				
100	PI2 BPSK	1	137		15.12		15.7		
100	PI2 BPSK	1	271		15.08				
100	PI2 BPSK	135	0		14.95		15.7	0.0	
100	PI2 BPSK	135	86		14.91		15.7	0.0	
100	PI2 BPSK	135	138		15.07		15.7	0.0	
100	PI2 BPSK	270	0		15.14		15.7	0.0	
100	QPSK	1	1		15.15				
100	QPSK	1	137		15.03		15.7	0.0	
100	QPSK	1	271		15.15				
100	QPSK	135	0		15.13		15.7	0.0	
100	QPSK	135	86		15.05		15.7	0.0	
100	QPSK	135	138		14.93		15.7	0.0	
100	QPSK	270	0		15.08		15.7	0.0	
100	16QAM	1	1		15.16		15.7	0.0	
100	16QAM	1	1		15.13		15.7	0.0	
100	16QAM	1	1		14.93		15.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	14.95	14.95	14.95	15.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.83	14.90	14.84	15.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.81	14.81	14.88	15.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	14.86	14.87	14.85	15.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.79	14.85	14.88	15.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.81	14.81	14.86	15.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.86	14.87	14.85	15.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.79	14.85	14.85	15.7	0.0	

Part27Q n77_Ant_2_PC2 DSi3 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	17.88	17.88				
100	PI2 BPSK	1	137	17.88	17.88		18.7	0.0	
100	PI2 BPSK	1	271	17.88	17.88				
100	PI2 BPSK	136	0	17.88	17.88				
100	PI2 BPSK	136	136	17.88	17.88		18.7	0.0	
100	PI2 BPSK	270	0	17.88	17.88				
100	PI2 BPSK	270	136	17.88	17.88		18.7	0.0	
100	QPSK	1	1	18.00	18.00				
100	QPSK	1	137	18.00	18.00		18.7	0.0	
100	QPSK	1	271	18.00	18.00				
100	QPSK	136	0	18.00	18.00				
100	QPSK	136	136	18.00	18.00		18.7	0.0	
100	QPSK	270	0	18.00	18.00				
100	QPSK	270	136	18.00	18.00		18.7	0.0	
100	QPSK	540	0	18.00	18.00				
100	QPSK	540	136	18.00	18.00		18.7	0.0	
Channel									
50	QPSK	1	1	18.0000	18.0334	18.0668	18.70	0.0	MPR
50	QPSK	1	137	17.99	17.95	18.00	18.70	0.0	MPR
50	QPSK	1	271	18.0000	18.0334	18.0668	18.70	0.0	MPR
50	QPSK	136	0	18.0000	18.0334	18.0668	18.70	0.0	MPR
50	QPSK	136	136	17.99	17.95	18.00	18.70	0.0	MPR
50	QPSK	270	0	17.99	17.95	18.00	18.70	0.0	MPR
50	QPSK	270	136	18.0000	18.0334	18.0668	18.70	0.0	MPR
50	QPSK	540	0	18.0000	18.0334	18.0668	18.70	0.0	MPR
50	QPSK	540	136	17.99	17.95	18.00	18.70	0.0	MPR
Channel									
20	QPSK	1	1	18.0000	18.0334	18.0668	18.70	0.0	MPR
20	QPSK	1	137	17.99	17.95	18.00	18.70	0.0	MPR

Part270 n78 Ant2_PC3 DSI3 Standalone								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1		14.75			
100	PI2-BPSK	1	137		14.89		15.7	0.0
100	PI2-BPSK	1	271		14.77			
100	PI2-BPSK	135	0		14.88		15.7	0.0
100	PI2-BPSK	135	0		14.86		15.7	0.0
100	PI2-BPSK	135	136		14.79		15.7	0.0
100	PI2-BPSK	270	0		14.77			
100	QPSK	1	1		15.02			
100	QPSK	1	137		14.87		15.7	0.0
100	QPSK	1	271		14.83			
100	QPSK	135	0		14.70		15.7	0.0
100	QPSK	135	0		14.76		15.7	0.0
100	QPSK	135	136		14.83		15.7	0.0
100	QPSK	270	0		14.75		15.7	0.0
100	16QAM	1	1		14.75		15.7	0.0
100	16QAM	1	1		14.84		15.7	0.0
100	16QAM	1	1		14.85		15.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		14.24	14.00	14.60	15.7
Channel								
Frequency (MHz)								
80	QPSK	1	1		14.29	14.85	14.50	15.7
Channel								
Frequency (MHz)								
70	QPSK	1	1		14.85	14.83	14.80	15.7
Channel								
Frequency (MHz)								
80	QPSK	1	1		14.78	14.87	14.80	15.7
Channel								
Frequency (MHz)								
50	QPSK	1	1		14.83	14.30	14.64	15.7
Channel								
Frequency (MHz)								
40	QPSK	1	1		14.25	14.79	14.60	15.7
Channel								
Frequency (MHz)								
30	QPSK	1	1		14.40	14.89	14.60	15.7
Channel								
Frequency (MHz)								
20	QPSK	1	1		14.81	14.91	14.80	15.7

Part270 n78_Ant 2_PC3 DSI3 Standalone								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1		14.03			
100	PI2-BPSK	1	137		14.12		15.7	0.0
100	PI2-BPSK	1	271		14.05			
100	PI2-BPSK	135	0		13.95		15.7	0.0
100	PI2-BPSK	135	0		13.87		15.7	0.0
100	PI2-BPSK	135	136		14.07		15.7	0.0
100	PI2-BPSK	270	0		14.14			
100	QPSK	1	1		13.75			
100	QPSK	1	137		14.03		15.7	0.0
100	QPSK	1	271		14.15			
100	QPSK	135	0		14.15		15.7	0.0
100	QPSK	135	0		14.01		15.7	0.0
100	QPSK	135	136		13.92		15.7	0.0
100	QPSK	270	0		14.08		15.7	0.0
100	16QAM	1	1		14.15		15.7	0.0
100	16QAM	1	1		14.13		15.7	0.0
100	16QAM	1	1		13.90		15.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		14.83	14.80	14.84	15.7
Channel								
Frequency (MHz)								
80	QPSK	1	1		14.79	14.85	14.80	15.7
Channel								
Frequency (MHz)								
70	QPSK	1	1		14.81	14.81	14.80	15.7
Channel								
Frequency (MHz)								
80	QPSK	1	1		14.80	14.87	14.80	15.7
Channel								
Frequency (MHz)								
50	QPSK	1	1		14.81	14.81	14.80	15.7
Channel								
Frequency (MHz)								
40	QPSK	1	1		14.79	14.85	14.80	15.7
Channel								
Frequency (MHz)								
30	QPSK	1	1		14.80	14.89	14.80	15.7
Channel								
Frequency (MHz)								
20	QPSK	1	1		14.79	14.85	14.80	15.7

Par270 n77 Ant2_PC3 DSi3 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (Watt)	Power Modu Ch.1 (Watt)	Power High Ch.1 (Watt)	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	12.32	13.37	13.38		
100	PI2 BPSK	1	137	13.42	13.35	13.32	14.4	0.0
100	PI2 BPSK	1	271	13.37	13.43	13.38		
100	PI2 BPSK	135	0	13.24	13.37	13.39	14.4	0.0
100	PI2 BPSK	135	88	13.25	13.34	13.33	14.4	0.0
100	PI2 BPSK	135	138	13.29	13.29	13.47	14.4	0.0
100	PI2 BPSK	270	0	13.21	13.28	13.26		
100	QPSK	1	1	13.45	13.35	13.35		
100	QPSK	1	137	13.31	13.18	13.16	14.4	0.0
100	QPSK	1	271	13.46	13.42	13.35		
100	QPSK	135	0	13.47	13.45	13.39	14.4	0.0
100	QPSK	135	88	13.4	13.46	13.39	14.4	0.0
100	QPSK	135	138	13.30	13.38	13.39	14.4	0.0
100	QPSK	270	0	13.27	13.44	13.26		
100	16QAM	1	1	13.37	13.31	13.29	14.4	0.0
100	16QAM	1	1	13.36	13.48	13.36	14.4	0.0
100	16QAM	1	1	13.45	13.35	13.35	14.4	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	13.27	13.37	13.44	14.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	13.31	13.21	13.29	14.4	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	13.49	13.45	13.35	14.4	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	13.38	13.36	13.43	14.4	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	13.42	13.35	13.34	14.4	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	13.31	13.29	13.29	14.4	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	13.23	13.31	13.29	14.4	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	13.40	13.42	13.29	14.4	0.0

Par270 n77 Ant2_PC2 DSi3 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (Watt)	Power Modu Ch.1 (Watt)	Power High Ch.1 (Watt)	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	16.50	16.65	16.76		
100	PI2 BPSK	1	137	17.04	16.99	16.95	17.4	0.0
100	PI2 BPSK	1	271	17.03	17.05	17.03		
100	PI2 BPSK	135	0	16.39	17.04	17.09	17.4	0.0
100	PI2 BPSK	135	88	17.01	17.09	16.98	17.4	0.0
100	PI2 BPSK	135	138	16.97	17.01	17.11	17.4	0.0
100	PI2 BPSK	270	0	16.95	16.95	16.90		
100	QPSK	1	1	17.09	17.05	17.09		
100	QPSK	1	137	16.89	16.88	16.79	17.4	0.0
100	QPSK	1	271	17.11	17.05	17.05		
100	QPSK	135	0	16.93	17.01	17.05	17.4	0.0
100	QPSK	135	88	17.06	17.06	17.06	17.4	0.0
100	QPSK	135	138	16.94	17.05	17.10	17.4	0.0
100	QPSK	270	0	17.02	17.06	16.92		
100	16QAM	1	1	16.95	16.96	16.96	17.4	0.0
100	16QAM	1	1	16.99	17.14	16.97	17.4	0.0
100	16QAM	1	1	17.04	17.06	16.98	17.4	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.09	17.10	17.09	17.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.99	17.05	16.99	17.4	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.84	16.93	17.00	17.4	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.95	16.99	16.93	17.4	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.01	17.02	16.96	17.4	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.03	17.05	16.94	17.4	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.89	16.88	16.78	17.4	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.06	17.05	17.03	17.4	0.0

Part27Q n77_Ant_2_PC3 DSi3 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (Watt)	Power Modu Ch.1 (Watt)	Power High Ch.1 (Watt)	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		13.34			
100	PI2 BPSK	1	137		13.31		14.4	0.0
100	PI2 BPSK	1	271		13.35			
100	PI2 BPSK	135	0		13.27		14.4	0.0
100	PI2 BPSK	135	88		13.29			
100	PI2 BPSK	135	138		13.39		14.4	0.0
100	PI2 BPSK	270	0		13.26		14.4	0.0
100	QPSK	1	1		13.35			
100	QPSK	1	137		13.29		14.4	0.0
100	QPSK	1	271		13.39			
100	QPSK	135	0		13.29		14.4	0.0
100	QPSK	135	88		13.34			
100	QPSK	135	138		13.34		14.4	0.0
100	QPSK	270	0		13.25		14.4	0.0
100	16QAM	1	1		13.37		14.4	0.0
100	16QAM	1	1		13.35		14.4	0.0
100	16QAM	1	1		14.33		14.4	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	13.34	13.34	13.34	14.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	13.37	13.37	13.36	14.4	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	13.36	13.25	13.25	14.4	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	13.89	13.42	13.30	14.4	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	13.87	13.31	13.28	14.4	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	13.87	13.29	13.30	14.4	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.05	13.12	13.16	14.4	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	13.95	13.46	13.36	14.4	0.0

Part27Q n77_Ant_2_PC2 DSi3 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F1 (Watt)	Power Modu Ch./F1 (Watt)	Power High Ch./F1 (Watt)	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		17.05			
100	PI2 BPSK	1	137		17.05		17.4	0.0
100	PI2 BPSK	1	271		17.07			
100	PI2 BPSK	135	0		17.07			
100	PI2 BPSK	135	88		17.05		17.4	0.0
100	PI2 BPSK	135	138		17.06			
100	PI2 BPSK	270	0		16.90		17.4	0.0
100	QPSK	1	1		17.12			
100	QPSK	1	137		17.10		17.4	0.0
100	QPSK	1	271		17.11			
100	QPSK	135	0		17.02			
100	QPSK	135	88		17.04		17.4	0.0
100	QPSK	135	138		16.99			
100	QPSK	270	0		16.99		17.4	0.0
100	16QAM	1	1		17.00		17.4	0.0
100	16QAM	1	1		16.96		17.4	0.0
100	16QAM	1	1		17.07		17.4	0.0
Channel								
Frequency (MHz)								
10	PI2 BPSK	1	1	63.0000	63.0000	63.0000	17.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	137	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	271	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	137	16.94	16.99	17.02	17.4	0.0
10	QPSK	1	271	16.94	16.99	17.02	17.4	0.0
10	QPSK	135	0	16.94	16.99	17.02	17.4	0.0
10	QPSK	135	88	16.94	16.99	17.02	17.4	0.0
10	QPSK	135	138	16.94	16.99	17.02	17.4	0.0
10	QPSK	270	0	16.94	16.99	17.02	17.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.91	16.96	16.99	17.4	0.0
10	QPSK	1	137	16.91	16.96	16.99	17.4	0.0
10	QPSK	1	271	16.91	16.96	16.99	17.4	0.0
10	QPSK	135	0	16.91	16.96	16.99	17.4	0.0
10	QPSK	135	88	16.91	16.96	16.99	17.4	0.0
10	QPSK	135	138	16.91	16.96	16.99	17.4	0.0
10	QPSK	270	0	16.91	16.96	16.99	17.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	137	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	271	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	0	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	88	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	138	16.90	16.95	16.99	17.4	0.0
10	QPSK	270	0	16.90	16.95	16.99	17.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	137	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	271	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	0	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	88	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	138	16.90	16.95	16.99	17.4	0.0
10	QPSK	270	0	16.90	16.95	16.99	17.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	137	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	271	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	0	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	88	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	138	16.90	16.95	16.99	17.4	0.0
10	QPSK	270	0	16.90	16.95	16.99	17.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	137	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	271	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	0	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	88	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	138	16.90	16.95	16.99	17.4	0.0
10	QPSK	270	0	16.90	16.95	16.99	17.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	137	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	271	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	0	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	88	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	138	16.90	16.95	16.99	17.4	0.0
10	QPSK	270	0	16.90	16.95	16.99	17.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	137	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	271	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	0	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	88	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	138	16.90	16.95	16.99	17.4	0.0
10	QPSK	270	0	16.90	16.95	16.99	17.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	137	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	271	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	0	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	88	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	138	16.90	16.95	16.99	17.4	0.0
10	QPSK	270	0	16.90	16.95	16.99	17.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	137	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	271	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	0	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	88	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	138	16.90	16.95	16.99	17.4	0.0
10	QPSK	270	0	16.90	16.95	16.99	17.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	137	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	271	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	0	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	88	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	138	16.90	16.95	16.99	17.4	0.0
10	QPSK	270	0	16.90	16.95	16.99	17.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	137	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	271	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	0	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	88	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	138	16.90	16.95	16.99	17.4	0.0
10	QPSK	270	0	16.90	16.95	16.99	17.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	137	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	271	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	0	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	88	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	138	16.90	16.95	16.99	17.4	0.0
10	QPSK	270	0	16.90	16.95	16.99	17.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	137	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	271	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	0	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	88	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	138	16.90	16.95	16.99	17.4	0.0
10	QPSK	270	0	16.90	16.95	16.99	17.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	137	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	271	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	0	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	88	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	138	16.90	16.95	16.99	17.4	0.0
10	QPSK	270	0	16.90	16.95	16.99	17.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	137	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	271	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	0	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	88	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	138	16.90	16.95	16.99	17.4	0.0
10	QPSK	270	0	16.90	16.95	16.99	17.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	137	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	271	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	0	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	88	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	138	16.90	16.95	16.99	17.4	0.0
10	QPSK	270	0	16.90	16.95	16.99	17.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	137	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	271	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	0	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	88	16.90	16.95	16.99	17.4	0.0
10	QPSK	135	138	16.90	16.95	16.99	17.4	0.0
10	QPSK	270	0	16.90	16.95	16.99	17.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	137	16.90	16.95	16.99	17.4	0.0
10	QPSK	1	271	16.90	16.95	16.99	17.4	0.0

Part270 n78 Ant2_PC3 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Main Ch. (Frac.)	Power Main Ch. (Frac.)	Power Main Ch. (Frac.)	Tune-up time (dBm)	MPN (dB)	
Channel									
Frequency (MHz)									
100	PI2-BPSK	1	1		13.88				
100	PI2-BPSK	1	137		13.24		14.4	0.0	
100	PI2-BPSK	1	271		13.34				
100	PI2-BPSK	135	0		13.28		14.4	0.0	
100	PI2-BPSK	135	0		13.23		14.4	0.0	
100	PI2-BPSK	135	136		13.18		14.4	0.0	
100	PI2-BPSK	270	0		13.17				
100	QPSK	1	1		13.47				
100	QPSK	1	137		13.97		14.4	0.0	
100	QPSK	1	271		13.31				
100	QPSK	135	0		13.34		14.4	0.0	
100	QPSK	135	0		13.36		14.4	0.0	
100	QPSK	135	136		13.27		14.4	0.0	
100	QPSK	270	0		13.23		14.4	0.0	
100	SSB-QAM	1	1		13.25		14.4	0.0	
100	SSB-QAM	1	1		13.30		14.4	0.0	
100	SSB-QAM	1	1		13.24		14.4	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1		13.77	13.37	13.30	14.4	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		13.94	12.97	13.09	14.4	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		13.75	13.28	13.25	14.4	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		13.78	13.42	13.30	14.4	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		13.57	13.28	13.30	14.4	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		13.85	13.44	13.30	14.4	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		13.88	13.48	13.30	14.4	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		13.76	13.28	13.25	14.4	0.0

Part27Q n78_Ant_2_PC3 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Mains Ch. (Frac.)	Power High Ch. (Frac.)	Tuneup time (dBm)	MPN (dB)	
Channel									
Frequency (MHz)									
100	PI2-BPSK	1	1		13.34				
100	PI2-BPSK	1	137		13.31		14.4	0.0	
100	PI2-BPSK	1	271		13.85				
100	PI2-BPSK	135	0		13.77		14.4	0.0	
100	PI2-BPSK	135	0		13.60		14.4	0.0	
100	PI2-BPSK	135	136		13.99		14.4	0.0	
100	PI2-BPSK	270	0		13.76				
100	QPSK	1	1		13.85				
100	QPSK	1	137		13.80		14.4	0.0	
100	QPSK	1	271		13.80				
100	QPSK	135	0		13.85		14.4	0.0	
100	QPSK	135	0		13.87		14.4	0.0	
100	QPSK	135	136		13.96		14.4	0.0	
100	QPSK	270	0		13.89		14.4	0.0	
100	SSB-QAM	1	1		13.97		14.4	0.0	
100	SSB-QAM	1	1		13.95		14.4	0.0	
100	SSB-QAM	1	1		14.00		14.4	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1		13.99	13.36	13.30	14.4	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		13.79	13.28	13.20	14.4	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		13.85	13.45	13.30	14.4	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		13.89	13.42	13.30	14.4	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		13.89	13.45	13.30	14.4	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		13.85	13.44	13.30	14.4	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		13.78	13.28	13.20	14.4	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		13.99	13.42	13.30	14.4	0.0

Par270 n77 Ant7_PC3 DS13 standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	17.24	17.15	17.12			
100	PI2 BPSK	1	137	18.93	17.89	17.80	18.2	0.0	
100	PI2 BPSK	1	271	17.05	17.04	17.12			
100	PI2 BPSK	135	0	18.98	18.99	18.97	18.2	0.0	
100	PI2 BPSK	135	80	17.20	17.07	17.13	18.2	0.0	
100	PI2 BPSK	135	138	18.99	17.82	17.13	18.2	0.0	
100	PI2 BPSK	270	0	18.94	18.95	17.00			
100	QPSK	1	1	17.18	17.05	17.00			
100	QPSK	1	137	18.89	18.88	18.89	18.2	0.0	
100	QPSK	1	271	18.98	18.98	18.98			
100	QPSK	135	0	18.98	18.87	18.89	18.2	0.0	
100	QPSK	135	80	18.94	18.91	18.78	18.2	0.0	
100	QPSK	135	138	18.77	18.15	18.75	18.2	0.0	
100	QPSK	270	0	17.10	17.14	17.07			
100	16QAM	1	1	17.24	17.20	17.20	18.2	0.0	
100	16QAM	1	1	17.11	17.21	17.13	18.2	0.0	
100	16QAM	1	1	17.15	17.06	17.02	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.07	17.10	17.09	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.09	17.09	18.99	18.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.13	17.09	17.17	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.09	17.09	18.99	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.17	17.10	17.14	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.17	17.10	17.14	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.08	17.02	17.11	18.2	0.0	
Channel									
Frequency (MHz)									

Part270 n78 Ant7_PC3 DSI3 standalone								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	PIQ-BPSK	1	1		17.02			
100	PIQ-BPSK	1	137		16.88		18.2	0.0
100	PIQ-BPSK	1	271		16.92			
100	PIQ-BPSK	135	0		16.87		18.2	0.0
100	PIQ-BPSK	135	0		16.86		18.2	0.0
100	PIQ-BPSK	135	136		16.86		18.2	0.0
100	PIQ-BPSK	270	0		16.83			
100	QPSK	1	1		17.16			
100	QPSK	1	137		16.76		18.2	0.0
100	QPSK	1	271		16.86			
100	QPSK	135	0		17.86		18.2	0.0
100	QPSK	135	0		17.84		18.2	0.0
100	QPSK	135	136		16.83		18.2	0.0
100	QPSK	270	0		17.02			
100	16QAM	1	1		17.06		18.2	0.0
100	16QAM	1	1		17.99		18.2	0.0
100	16QAM	1	1		16.84		18.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.25	17.12	17.15	18.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.09	17.17	17.05	18.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.16	17.14	17.05	18.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.22	17.16	17.18	18.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.17	17.28	17.15	18.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.13	17.14	17.15	18.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.22	17.22	17.20	18.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.15	17.16	17.22	18.2	0.0

Part270 n78_Ant 7_PC3 DSI3 standalone								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	PIQ-BPSK	1	1		17.15			
100	PIQ-BPSK	1	137		17.88		18.2	0.0
100	PIQ-BPSK	1	271		17.03			
100	PIQ-BPSK	135	0		17.11		18.2	0.0
100	PIQ-BPSK	135	0		17.06		18.2	0.0
100	PIQ-BPSK	135	136		17.02		18.2	0.0
100	PIQ-BPSK	270	0		17.03			
100	QPSK	1	1		17.25			
100	QPSK	1	137		17.12		18.2	0.0
100	QPSK	1	271		17.05			
100	QPSK	135	0		17.12		18.2	0.0
100	QPSK	135	0		17.06		18.2	0.0
100	QPSK	135	136		16.86		18.2	0.0
100	QPSK	270	0		17.08			
100	16QAM	1	1		17.16		18.2	0.0
100	16QAM	1	1		17.14		18.2	0.0
100	16QAM	1	1		17.14		18.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.25	17.25	17.25	18.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.19	17.26	17.20	18.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.23	17.27	17.25	18.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.24	17.24	17.23	18.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.31	17.30	17.28	18.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.13	17.27	17.20	18.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.22	17.26	17.22	18.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.16	17.28	17.15	18.2	0.0

Par270 n77_Ant7_PC3 DS13 Simultaneous							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (Frac)	Power Media Ch.1 (Frac)	Power High Ch.1 (Frac)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	16.02	16.01	16.03	
100	PI2 BPSK	1	137	16.09	16.02	16.03	16.9
100	PI2 BPSK	1	271	15.08	15.03	15.06	
100	PI2 BPSK	135	0	15.05	15.02	15.10	16.9
100	PI2 BPSK	135	138	16.21	16.07	16.03	16.9
100	PI2 BPSK	135	138	16.21	16.17	16.16	16.9
100	PI2 BPSK	270	0	15.06	15.02	15.02	
100	QPSK	1	1	15.12	15.02	15.02	
100	QPSK	1	137	16.01	16.03	16.00	16.9
100	QPSK	1	271	15.03	15.02	15.00	
100	QPSK	135	0	16.13	16.08	16.18	16.9
100	QPSK	135	138	16.16	16.08	16.19	16.9
100	QPSK	135	138	16.12	16.18	16.19	16.9
100	QPSK	270	0	16.04	16.13	16.10	
100	16QAM	1	1	16.15	16.20	16.12	16.9
100	16QAM	1	1	16.07	16.19	16.17	16.9
100	16QAM	1	1	16.16	16.02	16.01	16.9
Channel							
80	QPSK	1	1	16.10	16.05	16.04	16.9
80	QPSK	1	1	16.10	16.05	16.04	16.9
Channel							
80	QPSK	1	1	16.04	16.11	15.07	16.9
80	QPSK	1	1	16.04	16.11	15.07	16.9
Channel							
70	QPSK	1	1	16.02	16.16	16.03	16.9
70	QPSK	1	1	16.02	16.16	16.03	16.9
Channel							
80	QPSK	1	1	16.04	16.11	15.07	16.9
80	QPSK	1	1	16.04	16.11	15.07	16.9
Channel							
80	QPSK	1	1	15.09	16.17	16.03	16.9
80	QPSK	1	1	15.09	16.17	16.03	16.9
Channel							
80	QPSK	1	1	15.06	16.18	15.02	16.9
80	QPSK	1	1	15.06	16.18	15.02	16.9
Channel							
80	QPSK	1	1	15.12	16.04	16.03	16.9
80	QPSK	1	1	15.12	16.04	16.03	16.9
Channel							
80	QPSK	1	1	15.10	16.16	16.04	16.9
80	QPSK	1	1	15.10	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9
Channel							
80	QPSK	1	1	15.02	16.16	16.04	16.9
80	QPSK	1	1	15.02	16.16	16.04	16.9

Part27O n78 Ant 7_PC3 DS13 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (min)	MPN (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1		16.12			
100	PI2-BPSK	1	137		16.11		16.9	0.0
100	PI2-BPSK	1	271		15.86			
100	PI2-BPSK	135	0		16.13		16.9	0.0
100	PI2-BPSK	135	46		16.15		16.9	0.0
100	PI2-BPSK	135	136		15.88		16.9	0.0
100	PI2-BPSK	270	0		16.08			
100	QPSK	1	1		16.21			
100	QPSK	1	137		16.14		16.9	0.0
100	QPSK	1	271		15.93			
100	QPSK	135	0		16.18		16.9	0.0
100	QPSK	135	46		16.20		16.9	0.0
100	QPSK	135	136		15.76		16.9	0.0
100	QPSK	270	0		16.20			
100	16QAM	1	1		16.12		16.9	0.0
100	16QAM	1	1		16.15		16.9	0.0
100	16QAM	1	1		16.17		16.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		16.04		16.15	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1		16.03		16.15	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1		16.15		16.17	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1		16.10		16.12	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		16.11		16.02	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1		16.05		16.07	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1		16.12		16.03	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1		16.15		16.16	0.0

Part27Q n78_Ant 7_PC3 DS13 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (min)	MPN (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1		16.32			
100	PI2-BPSK	1	137		16.13		16.9	0.0
100	PI2-BPSK	1	271		15.21			
100	PI2-BPSK	135	0		16.34		16.9	0.0
100	PI2-BPSK	135	46		16.26		16.9	0.0
100	PI2-BPSK	135	136		16.12		16.9	0.0
100	PI2-BPSK	270	0		16.08			
100	QPSK	1	1		15.95			
100	QPSK	1	137		16.13		16.9	0.0
100	QPSK	1	271		15.26			
100	QPSK	135	0		16.05		16.9	0.0
100	QPSK	135	46		16.06		16.9	0.0
100	QPSK	135	136		15.28		16.9	0.0
100	QPSK	270	0		16.20			
100	16QAM	1	1		16.32		16.9	0.0
100	16QAM	1	1		16.27		16.9	0.0
100	16QAM	1	1		15.25		16.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		16.21		16.27	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1		16.30		16.24	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1		16.23		16.26	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1		16.40		16.37	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		16.24		16.23	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1		16.20		16.39	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1		16.29		16.39	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1		16.26		16.24	0.0



n2 Ant0 DSI6 Standalone								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1860	1900		
20	Pi/2 BPSK	1	1	20.81	20.91	20.86		
20	Pi/2 BPSK	1	53	20.87	20.93	20.88	22.1	0.0
20	Pi/2 BPSK	1	104	20.83	20.89	20.82		
20	Pi/2 BPSK	50	0	20.75	20.87	20.72	22.1	0.0
20	Pi/2 BPSK	50	28	20.76	20.92	20.77	22.1	0.0
20	Pi/2 BPSK	50	56	20.74	20.88	20.73	22.1	0.0
20	Pi/2 BPSK	100	0	20.67	20.83	20.79		
20	QPSK	1	1	20.98	21.05	20.97		
20	QPSK	1	53	20.87	20.96	20.81	22.1	0.0
20	QPSK	1	104	20.78	20.92	20.78		
20	QPSK	50	0	20.80	20.89	20.76	22.1	0.0
20	QPSK	50	28	20.80	20.91	20.81	22.1	0.0
20	QPSK	50	56	20.71	20.87	20.82	22.1	0.0
20	QPSK	100	0	20.82	20.88	20.80		
20	16QAM	1	1	20.96	21.01	20.97	22.1	0.0
20	64QAM	1	1	20.88	20.92	20.77	22.1	0.0
20	256QAM	1	1	19.23	19.26	19.23	20.5	1.6
Channel				374000	376000	378000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1860	1862.5		
15	QPSK	1	1	20.88	20.97	20.87	22.1	0.0
Channel				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1860	1865		
10	QPSK	1	1	20.87	20.89	20.84	22.1	0.0
Channel				376000	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1860	1867.5		
5	QPSK	1	1	20.85	20.90	20.87	22.1	0.0

n5 Ant0 DSI6 Standalone								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	Pi/2 BPSK	1	1	22.62	22.68	22.66		
20	Pi/2 BPSK	1	53	22.62	22.63	22.54	24.0	0.0
20	Pi/2 BPSK	1	104	22.46	22.60	22.41		
20	Pi/2 BPSK	50	0	22.50	22.55	22.49	24.0	0.0
20	Pi/2 BPSK	50	28	22.64	22.67	22.56	24.0	0.0
20	Pi/2 BPSK	50	56	22.50	22.56	22.41	24.0	0.0
20	Pi/2 BPSK	100	0	22.45	22.64	22.60		
20	QPSK	1	1	22.63	22.75	22.67		
20	QPSK	1	53	22.42	22.62	22.44	24.0	0.0
20	QPSK	1	104	22.47	22.60	22.55		
20	QPSK	50	0	22.49	22.58	22.41	24.0	0.0
20	QPSK	50	28	22.62	22.65	22.63	24.0	0.0
20	QPSK	50	56	22.50	22.57	22.43	24.0	0.0
20	QPSK	100	0	22.43	22.62	22.42		
20	16QAM	1	1	22.59	22.61	22.52	24.0	0.0
20	64QAM	1	1	21.73	21.91	21.72	22.5	1.5
20	256QAM	1	1	19.64	19.69	19.52	20.5	3.5
Channel				166900	167100	167300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.48	22.54	22.39	24.0	0.0
Channel				166800	167300	166800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				839	836.5	844		
10	QPSK	1	1	22.46	22.51	22.47	24.0	0.0
Channel				166900	167300	166900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				836.5	836.5	836.5		
5	QPSK	1	1	22.50	22.45	22.42	24.0	0.0

n66 Ant0 DSI6 Standalone								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	Pi/2 BPSK	1	1	20.65	20.77	20.70		
40	Pi/2 BPSK	1	108	20.75	20.82	20.79	22.1	0.0
40	Pi/2 BPSK	1	214	20.79	20.85	20.79		
40	Pi/2 BPSK	108	0	20.75	20.87	20.75	22.1	0.0
40	Pi/2 BPSK	108	54	20.66	20.81	20.63	22.1	0.0
40	Pi/2 BPSK	108	108	20.91	20.96	20.92	22.1	0.0
40	Pi/2 BPSK	216	0	20.74	20.85	20.76		
40	QPSK	1	1	20.96	21.08	21.06		
40	QPSK	1	108	20.78	20.86	20.81	22.1	0.0
40	QPSK	1	214	20.69	20.87	20.73		
40	QPSK	108	0	20.76	20.89	20.81	22.1	0.0
40	QPSK	108	54	20.85	20.97	20.83	22.1	0.0
40	QPSK	108	108	20.91	20.86	20.84	22.1	0.0
40	QPSK	216	0	20.71	20.85	20.67		
40	16QAM	1	1	20.79	20.97	20.91	22.1	0.0
40	64QAM	1	1	20.89	20.98	20.84	22.1	0.0
40	256QAM	1	1	19.26	19.30	19.17	20.5	1.6
Channel				346100	349000	352100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	20.82	21.01	21.00	22.1	0.0
Channel				346000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.89	20.93	20.91	22.1	0.0
Channel				345500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	20.78	21.00	20.96	22.1	0.0
Channel				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.92	20.97	20.91	22.1	0.0
Channel				345500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.82	20.91	20.90	22.1	0.0



n2 Ant0 DSI6 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1900			
20	PI2 BPSK	1	1	19.29	19.35	19.28			
20	PI2 BPSK	1	53	19.32	19.39	19.28	20.8		
20	PI2 BPSK	1	104	19.22	19.36	19.25			
20	PI2 BPSK	50	0	19.20	19.32	19.25	20.8		
20	PI2 BPSK	50	28	19.27	19.31	19.18	20.8		
20	PI2 BPSK	50	56	19.19	19.33	19.26	20.8		
20	PI2 BPSK	100	0	19.23	19.35	19.24			
20	QPSK	1	1	19.50	19.53	19.44			
20	QPSK	1	53	19.53	19.58	19.26	20.8		
20	QPSK	1	104	19.28	19.42	19.31			
20	QPSK	50	0	19.32	19.37	19.24	20.8		
20	QPSK	50	28	19.33	19.39	19.33	20.8		
20	QPSK	50	56	19.33	19.34	19.26	20.8		
20	QPSK	100	0	19.24	19.36	19.26			
20	16QAM	1	1	19.37	19.47	19.42	20.8		
20	64QAM	1	1	19.38	19.45	19.35	20.8		
20	256QAM	1	1	19.27	19.35	19.31	20.5		
Channel				1867.5	1880	1902.5			
Frequency (MHz)				1867.5	1880	1902.5			
15	QPSK	1	1	19.48	19.43	19.37	20.8		
Channel				375000	376000	381000			
Frequency (MHz)				1865	1860	1865			
10	QPSK	1	1	19.37	19.42	19.36	20.8		
Channel				370500	376000	381500			
Frequency (MHz)				1862.5	1860	1867.5			
5	QPSK	1	1	19.38	19.48	19.37	20.8		

n5 Ant0 DSI6 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.62	22.68	22.65			
20	PI2 BPSK	1	53	22.62	22.63	22.54	24.0		
20	PI2 BPSK	1	104	22.46	22.60	22.41			
20	PI2 BPSK	50	0	22.50	22.55	22.49	24.0		
20	PI2 BPSK	50	28	22.64	22.67	22.56	24.0		
20	PI2 BPSK	50	56	22.50	22.56	22.41	24.0		
20	PI2 BPSK	100	0	22.45	22.64	22.60			
20	QPSK	1	1	22.63	22.75	22.67			
20	QPSK	1	53	22.42	22.62	22.44	24.0		
20	QPSK	1	104	22.47	22.60	22.55			
20	QPSK	50	0	22.49	22.58	22.41	24.0		
20	QPSK	50	28	22.62	22.65	22.63	24.0		
20	QPSK	50	56	22.50	22.57	22.43	24.0		
20	QPSK	100	0	22.43	22.62	22.42			
20	16QAM	1	1	22.59	22.61	22.52	24.0		
20	64QAM	1	1	21.73	21.91	21.72	22.5		
20	256QAM	1	1	19.64	19.69	19.52	20.5		
Channel				163300	167300	169300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.48	22.54	22.39	24.0		
Channel				165800	167300	168800			
Frequency (MHz)				836	836.5	844			
10	QPSK	1	1	22.46	22.51	22.47	24.0		
Channel				166300	167300	169300			
Frequency (MHz)				834.5	836.5	838.5			
5	QPSK	1	1	22.50	22.45	22.42	24.0		

n66 Ant0 DSI6 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	19.31	19.35	19.32			
40	PI2 BPSK	1	108	19.23	19.34	19.28	20.8		
40	PI2 BPSK	1	214	19.29	19.37	19.33			
40	PI2 BPSK	108	0	19.28	19.35	19.32	20.8		
40	PI2 BPSK	108	54	19.24	19.33	19.30	20.8		
40	PI2 BPSK	108	108	19.34	19.45	19.40	20.8		
40	PI2 BPSK	216	0	19.27	19.36	19.30			
40	QPSK	1	1	19.43	19.55	19.51			
40	QPSK	1	108	19.36	19.43	19.37	20.8		
40	QPSK	1	214	19.27	19.39	19.33			
40	QPSK	108	0	19.36	19.38	19.30	20.8		
40	QPSK	108	54	19.31	19.50	19.36	20.8		
40	QPSK	108	108	19.38	19.44	19.38	20.8		
40	QPSK	216	0	19.22	19.38	19.32			
40	16QAM	1	1	19.37	19.45	19.40	20.8		
40	64QAM	1	1	19.45	19.48	19.34	20.8		
40	256QAM	1	1	19.32	19.34	19.28	20.5		
Channel				343000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	19.33	19.52	19.44	20.8		
Channel				344000	349000	354000			
Frequency (MHz)				1730	1745	1760			
20	QPSK	1	1	19.39	19.51	19.47	20.8		
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.32	19.43	19.40	20.8		
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.36	19.52	19.47	20.8		
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.35	19.42	19.37	20.8		



n2 Ant1 DSI6 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1680	1880	1900			
Frequency (MHz)				372000	376000	380000			
20	Pi2 BPSK	1	1	20.69	20.81	20.77		21.6	0.0
20	Pi2 BPSK	1	53	20.70	20.75	20.84			
20	Pi2 BPSK	1	104	20.67	20.71	20.62			
20	Pi2 BPSK	50	0	20.65	20.71	20.69		21.6	0.0
20	Pi2 BPSK	50	28	20.62	20.69	20.56		21.6	0.0
20	Pi2 BPSK	50	56	20.60	20.67	20.54		21.6	0.0
20	Pi2 BPSK	100	0	20.63	20.72	20.63			
20	QPSK	1	1	20.79	20.86	20.75		21.6	0.0
20	QPSK	1	53	20.70	20.75	20.75			
20	QPSK	1	104	20.64	20.69	20.62			
20	QPSK	50	0	20.72	20.71	20.72		21.6	0.0
20	QPSK	50	28	20.64	20.76	20.69		21.6	0.0
20	QPSK	50	56	20.56	20.69	20.65		21.6	0.0
20	QPSK	100	0	20.64	20.73	20.64		21.6	0.0
20	16QAM	1	1	20.67	20.79	20.72		21.6	0.0
20	64QAM	1	1	20.75	20.84	20.79		21.6	0.0
20	256QAM	1	1	19.99	20.19	19.94		21.0	0.6
Channel				1887.5	1880	1892.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				37500	376000	381000			
15	QPSK	1	1	20.77	20.75	20.71		21.6	0.0
Channel				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1880	1885			
10	QPSK	1	1	20.62	20.78	20.70		21.6	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1802.5	1880	1807.5			
5	QPSK	1	1	20.67	20.68	20.59		21.6	0.0

n5 Ant1 DSI6 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				168000	167500	167000			
Frequency (MHz)				834	836.5	839			
20	Pi2 BPSK	1	1	22.35	22.36	22.34		24.0	0.0
20	Pi2 BPSK	1	53	22.25	22.30	22.24			
20	Pi2 BPSK	1	104	22.09	22.24	22.14			
20	Pi2 BPSK	50	0	22.05	22.23	22.16		24.0	0.0
20	Pi2 BPSK	50	28	22.31	22.34	22.28		24.0	0.0
20	Pi2 BPSK	50	56	22.08	22.27	22.23		24.0	0.0
20	Pi2 BPSK	100	0	22.28	22.32	22.31			
20	QPSK	1	1	22.52	22.55	22.47		24.0	0.0
20	QPSK	1	53	22.24	22.33	22.23			
20	QPSK	1	104	22.26	22.31	22.31			
20	QPSK	50	0	22.09	22.22	22.05		24.0	0.0
20	QPSK	50	28	22.31	22.33	22.17		24.0	0.0
20	QPSK	50	56	22.20	22.22	22.12		24.0	0.0
20	QPSK	100	0	22.13	22.29	22.15		24.0	0.0
20	16QAM	1	1	22.42	22.37	22.42		24.0	0.0
20	64QAM	1	1	21.70	21.73	21.58		22.5	1.5
20	256QAM	1	1	19.24	19.43	19.23		20.5	3.5
Channel				163500	167500	163500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.36	22.36	22.21		24.0	0.0
Channel				165800	167300	165800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				840	846.5	844			
10	QPSK	1	1	22.42	22.33	22.28		24.0	0.0
Channel				166300	167300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				846.5	846.5	846.5			
5	QPSK	1	1	22.41	22.25	22.29		24.0	0.0

n66 Ant1 DSI6 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pi2 BPSK	1	1	20.84	20.89	20.85		21.9	0.0
40	Pi2 BPSK	1	108	20.83	20.97	20.89			
40	Pi2 BPSK	1	214	20.82	20.88	20.80			
40	Pi2 BPSK	108	0	20.90	20.93	20.80		21.9	0.0
40	Pi2 BPSK	108	54	20.83	20.89	20.80		21.9	0.0
40	Pi2 BPSK	108	108	20.86	20.98	20.84		21.9	0.0
40	Pi2 BPSK	216	0	20.72	20.86	20.74			
40	QPSK	1	1	20.95	21.05	20.92		21.9	0.0
40	QPSK	1	108	20.98	21.02	20.94			
40	QPSK	1	214	20.84	20.94	20.85			
40	QPSK	108	0	20.72	20.89	20.73		21.9	0.0
40	QPSK	108	54	20.85	20.98	20.77		21.9	0.0
40	QPSK	108	108	20.94	20.94	20.84		21.9	0.0
40	QPSK	216	0	20.82	20.89	20.85		21.9	0.0
40	16QAM	1	1	20.89	20.86	20.80		21.9	0.0
40	64QAM	1	1	20.92	21.01	20.85		21.4	0.5
40	256QAM	1	1	20.06	20.19	20.14		21.0	0.6
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	20.85	20.97	20.86		21.9	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	20.78	20.94	20.75		21.9	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.78	20.90	20.83		21.9	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	20.77	20.91	20.83		21.9	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.88	20.98	20.88		21.9	0.0

n2 Ant1 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 372000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 380000	Tune-up limit (dBm)	MPR (dB)	
Channel				1860	1860	1860			
Frequency (MHz)									
20	PI2 BPSK	1	1	19.21	19.28	19.18			
20	PI2 BPSK	1	53	19.07	19.24	19.09			
20	PI2 BPSK	1	104	19.17	19.29	19.14	20.3	0.0	
20	PI2 BPSK	50	0	19.16	19.23	19.19	20.3	0.0	
20	PI2 BPSK	50	28	19.22	19.26	19.10	20.3	0.0	
20	PI2 BPSK	50	56	19.09	19.25	19.17	20.3	0.0	
20	PI2 BPSK	100	0	19.23	19.27	19.21	20.3	0.0	
20	QPSK	1	1	19.43	19.48	19.40			
20	QPSK	1	53	19.18	19.29	19.14	20.3	0.0	
20	QPSK	1	104	19.07	19.24	19.20	20.3	0.0	
20	QPSK	50	0	19.18	19.21	19.06	20.3	0.0	
20	QPSK	50	25	19.10	19.23	19.15	20.3	0.0	
20	QPSK	50	56	19.12	19.16	19.08	20.3	0.0	
20	QPSK	100	0	19.09	19.23	19.11		20.3	
20	16QAM	1	1	19.29	19.43	19.37	20.3	0.0	
20	64QAM	1	1	19.20	19.36	19.24	20.3	0.0	
20	256QAM	1	1	19.13	19.29	19.22	20.3	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	19.40	19.34	19.25	20.3	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	1	19.27	19.40	19.27	20.3	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5			
5	QPSK	1	1	19.35	19.31	19.37	20.3	0.0	

n5 Ant1 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	838			
20	PI2 BPSK	1	1	22.35	22.36	22.34			
20	PI2 BPSK	1	53	22.25	22.30	22.24	24.0	0.0	
20	PI2 BPSK	1	104	22.09	22.24	22.14			
20	PI2 BPSK	50	0	22.05	22.23	22.16	24.0	0.0	
20	PI2 BPSK	50	28	22.31	22.34	22.28			
20	PI2 BPSK	50	56	22.08	22.27	22.23			
20	PI2 BPSK	100	0	22.28	22.32	22.31			
20	QPSK	1	1	22.52	22.55	22.47			
20	QPSK	1	53	22.24	22.33	22.23	24.0	0.0	
20	QPSK	1	104	22.26	22.31	22.31			
20	QPSK	50	0	22.09	22.22	22.05	24.0	0.0	
20	QPSK	50	25	22.31	22.33	22.17	24.0	0.0	
20	QPSK	50	56	22.20	22.22	22.12		24.0	
20	QPSK	100	0	22.13	22.25	22.15		24.0	
20	16QAM	1	1	22.42	22.37	22.42	24.0	0.0	
20	64QAM	1	1	21.70	21.73	21.58	22.5	1.5	
20	256QAM	1	1	19.24	19.43	19.23	20.5	3.5	
Channel				166300	167200	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.36	22.36	22.21	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.42	22.33	22.28	24.0	0.0	
Channel				165300	167300	169400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.41	22.25	22.29	24.0	0.0	

n66 Ant1 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				348000	349000	350000			
Frequency (MHz)				1720	1745	1760			
40	PI2 BPSK	1	1	19.24	19.37	19.31			
40	PI2 BPSK	1	108	19.20	19.34	19.19		20.6	
40	PI2 BPSK	1	214	19.35	19.42	19.38			
40	PI2 BPSK	108	0	19.21	19.38	19.32	20.6	0.0	
40	PI2 BPSK	108	54	19.28	19.43	19.32		20.6	
40	PI2 BPSK	108	108	19.24	19.35	19.20		20.6	
40	PI2 BPSK	216	0	19.42	19.48	19.34			
40	QPSK	1	1	19.50	19.58	19.48			
40	QPSK	1	108	19.19	19.34	19.20		20.6	
40	QPSK	1	214	19.38	19.43	19.38			
40	QPSK	108	0	19.26	19.38	19.23	20.6	0.0	
40	QPSK	108	54	19.32	19.48	19.25	20.6	0.0	
40	QPSK	108	108	19.43	19.41	19.36		20.6	
40	QPSK	216	0	19.27	19.35	19.27		20.6	
40	16QAM	1	1	19.30	19.33	19.21	20.6	0.0	
40	64QAM	1	1	19.27	19.43	19.40	20.6	0.0	
40	256QAM	1	1	19.20	19.27	19.31	20.6	0.0	
Channel				347500	348500	349500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	19.34	19.42	19.43	20.6	0.0	
Channel				347000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	19.30	19.46	19.36	20.6	0.0	
Channel				346500	349000	350500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.20	19.39	19.32	20.6	0.0	
Channel				346000	348000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.28	19.47	19.25	20.6	0.0	
Channel				345500	349000	350500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.34	19.45	19.33	20.6	0.0	



Par270 n77 Ant2_PC3 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	18.09	18.18	18.09			
100	PIQ-BPSK	1	137	18.09	18.05	18.90	20.1	0.0	
100	PIQ-BPSK	1	271	18.18	18.25	18.25			
100	PIQ-BPSK	135	0	18.01	18.03	18.00	20.1	0.0	
100	PIQ-BPSK	135	60	18.00	18.00	18.00	20.1	0.0	
100	PIQ-BPSK	135	138	18.04	18.01	18.00	20.1	0.0	
100	PIQ-BPSK	270	0	18.16	18.03	18.04			
100	QPSK	1	1	18.02	18.07	18.05	20.1	0.0	
100	QPSK	1	137	18.09	18.10	18.05	20.1	0.0	
100	QPSK	1	271	18.12	18.20	18.21			
100	QPSK	135	0	18.00	18.00	18.00	20.1	0.0	
100	QPSK	135	60	18.00	18.00	18.00	20.1	0.0	
100	QPSK	135	138	18.05	18.01	18.01	20.1	0.0	
100	QPSK	270	0	18.14	18.00	18.10	20.1	0.0	
100	16QAM	1	1	18.00	18.07	18.10	20.1	0.0	
100	16QAM	1	1	18.09	18.40	18.20	19.1	1.0	
100	16QAM	1	1	18.13	18.20	18.00	17.1	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	18.16	20.05	19.50	20.1	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	18.01	20.03	19.50	20.1	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	18.16	18.03	18.04	20.1	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.03	20.10	20.00	20.1	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	18.00	20.03	20.00	19.00	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	18.14	18.00	18.10	20.1	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	18.00	18.40	18.20	20.1	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	18.00	20.03	19.00	20.1	0.0	

Par270 n77 Ant2_PC2 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	22.01	22.17	22.10			
100	PIQ-BPSK	1	137	22.05	22.20	22.10	20.1	0.0	
100	PIQ-BPSK	1	271	22.05	22.23	22.07			
100	PIQ-BPSK	135	0	21.49	21.81	21.44	20.1	0.0	
100	PIQ-BPSK	135	60	21.00	21.54	21.00	20.1	0.0	
100	PIQ-BPSK	135	138	21.72	21.72	21.07	20.1	0.0	
100	PIQ-BPSK	270	0	21.40	21.00	21.40	20.1	0.0	
100	QPSK	1	1	22.07	22.05	22.10			
100	QPSK	1	137	22.16	22.17	22.04	20.1	0.0	
100	QPSK	1	271	22.03	22.10	22.14			
100	QPSK	135	0	21.42	21.43	21.42	20.1	0.0	
100	QPSK	135	60	21.00	21.00	21.00	20.1	0.0	
100	QPSK	135	138	21.40	21.47	21.00	20.1	0.0	
100	QPSK	270	0	21.42	21.00	21.41	20.1	0.0	
100	16QAM	1	1	21.46	21.43	21.40	20.1	0.0	
100	16QAM	1	1	19.86	19.87	19.70	20.1	2.0	
100	16QAM	1	1	17.06	17.70	17.64	18.4	4.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	22.05	22.23	22.07	20.1	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	22.01	22.17	22.10	20.1	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	21.49	21.81	21.44	20.1	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	21.72	21.72	21.07	20.1	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	21.49	21.00	21.43	20.1	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	22.07	22.05	22.10	20.1	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.16	22.17	22.04	20.1	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	21.42	21.43	21.42	20.1	0.0	

Par270Q n77_Ant 2_PC3 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	19.14	19.14	19.14			
100	PIQ-BPSK	1	137	19.09			20.1	0.0	
100	PIQ-BPSK	1	271	19.15					
100	PIQ-BPSK	135	0	18.07			20.1	0.0	
100	PIQ-BPSK	135	60	18.00					
100	PIQ-BPSK	135	138	18.70					
100	QPSK	270	0	18.01			20.1	0.0	
100	QPSK	1	1	19.17			20.1	0.0	
100	QPSK	1	137	19.06					
100	QPSK	1	271	19.17					
100	QPSK	135	0	18.01			20.1	0.0	
100	QPSK	135	60	18.00					
100	QPSK	135	138	18.70					
100	QPSK	270	0	18.07			20.1	0.0	
100	16QAM	1	1	18.01			20.1	0.0	
100	16QAM	1	1	18.10			19.1	1.0	
100	16QAM	1	1	18.10			17.1	1.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	19.01	20.03	19.50	20.1	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	19.08	20.00	19.00	20.1	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	19.19	19.03	19.04	20.1	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.03	20.10	20.00	20.1	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	19.00	20.03	20.00	19.00	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	19.19	19.40	19.20	20.1	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	19.00	20.00	19.00	20.1	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	19.74	19.08	19.70	20.1	0.0	

Par270Q n77_Ant 2_PC2 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	22.01					
100	PIQ-BPSK	1	137	22.14			21	1	0
100	PIQ-BPSK	1	273	22.27					
100	PIQ-BPSK	198	0	21.50			21	0	0
100	PIQ-BPSK	198	136	21.63					
100	PIQ-BPSK	198	272	21.76					
100	QPSK	273	0	21.63			21	0	0
100	QPSK	1	137	22.04			21	1	0
100	QPSK	1	273	22.17					
100	QPSK	198	0	21.58			21	0	0
100	QPSK	198	136	21.71					
100	QPSK	198	272	21.82					
100	QPSK	273	0	21.92					
100	QPSK	273	136	22.09			21	0	0
100	QPSK	273	272	22.29					
100	QPSK	1	1	19.83			21	1	0
100	QPSK	1	136	19.93					
Channel				93400	93534	93668	Turn-up time	19.8	
50	QPSK	1	1	22.05	22.23	22.35	21	0	0
50	QPSK	1	136	93468	93534	93600	Turn-up time	19.8	
50	QPSK	1	272	93492	93558	93624	Turn-up time	19.8	
50	QPSK	1	1	21.49	21.61	21.73	21	0	0
50	QPSK	1	136	21.52	21.64	21.76			
50	QPSK	1	272	21.55	21.67	21.79			
Frequency [MHz]				348.51	350.01	351.51	Turn-up time	19.8	
50	QPSK	1	1	21.46	21.58	21.69	21	0	0
50	QPSK	1	136	21.49	21.61	21.73			
50	QPSK	1	272	21.52	21.64	21.76			
Channel				93168	93334	93500	Turn-up time	19.8	
50	QPSK	1	1	21.47	21.59	21.71	21	0	0
50	QPSK	1	136	21.50	21.62	21.74			
50	QPSK	1	272	21.53	21.65	21.77			
50	QPSK	1	1	21.48	21.47	21.85	21	0	0
40	QPSK	1	1	21.49	21.49	21.88	21	0	0
40	QPSK	1	136	21.50	21.50	21.89			
40	QPSK	1	272	21.51	21.51	21.90			
Frequency [MHz]				348.52	350.02	351.52	Turn-up time	19.8	
30	QPSK	1	1	21.48	21.56	21.63	21	0	0
30	QPSK	1	136	21.49	21.57	21.65			
30	QPSK	1	272	21.49	21.61	21.73	21	0	0

Part270 n78 Ant2_PC3 DSI6 Standalone								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Max Ch. 1 Freq.	Power High Ch. 1 Freq.	Time-up time (dBm)	MPR (dB)
Channel				850000	850000	850000		
Frequency (MHz)				3170	3170	3170		
100	PI-C BPSK	1	1	18.95				
100	PI-C BPSK	1	137	18.85			20.1	0.0
100	PI-C BPSK	1	271	19.05				
100	PI-C BPSK	135	0	18.85			19.0	0.0
100	PI-C BPSK	135	80	18.85			20.1	0.0
100	PI-C BPSK	135	158	18.71			19.0	0.0
100	PI-C BPSK	270	0	18.71				
100	QPSK	1	1	18.87				
100	QPSK	1	137	18.85			20.1	0.0
100	QPSK	1	271	19.05				
100	QPSK	135	0	18.73			19.1	1.0
100	QPSK	135	80	18.76			20.1	0.0
100	QPSK	135	158	18.71			19.1	1.0
100	QPSK	270	0	18.68				
100	16QAM	1	1	18.87			19.1	1.0
100	16QAM	1	1	18.20			17.8	2.0
100	16QAM	1	1	18.00			18.6	4.0
Channel				849856	850000	850256	Time-up time (dB)	MPR
Frequency (MHz)				849856	850000	850256		
80	QPSK	1	1	18.51	18.87	18.51	20.1	0.0
Channel				849334	850000	850666	Time-up time (dB)	MPR
Frequency (MHz)				849334	850000	850666		
80	QPSK	1	1	18.05	18.75	18.09	20.1	0.0
Channel				849000	850000	850000	Time-up time (dB)	MPR
Frequency (MHz)				849000	850000	850000		
70	QPSK	1	1	18.05	18.64	18.05	20.1	0.0
Channel				848666	850000	850000	Time-up time (dB)	MPR
Frequency (MHz)				848666	850000	850000		
80	QPSK	1	1	18.05	18.06	18.05	20.1	0.0
Channel				848334	850000	851666	Time-up time (dB)	MPR
Frequency (MHz)				848334	850000	851666		
80	QPSK	1	1	18.08	18.87	18.04	20.1	0.0
Channel				848000	850000	852000	Time-up time (dB)	MPR
Frequency (MHz)				848000	850000	852000		
80	QPSK	1	1	18.02	18.83	18.02	20.1	0.0
Channel				847666	850000	850000	Time-up time (dB)	MPR
Frequency (MHz)				847666	850000	850000		
80	QPSK	1	1	18.02	18.06	18.42	20.1	0.0
Channel				847334	850000	850666	Time-up time (dB)	MPR
Frequency (MHz)				847334	850000	850666		
80	QPSK	1	1	18.08	18.83	18.20	20.1	0.0

Part270 n78_Ant 2_PC3 DSI6 Standalone								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Max Ch. 1 Freq.	Power High Ch. 1 Freq.	Time-up time (dBm)	MPR (dB)
Channel				833334	833334	833334		
Frequency (MHz)				833334	833334	833334		
100	PI-C BPSK	1	1	18.87				
100	PI-C BPSK	1	137	18.87			20.1	0.0
100	PI-C BPSK	1	271	19.03				
100	PI-C BPSK	135	0	18.85			19.0	0.0
100	PI-C BPSK	135	80	18.76			20.1	0.0
100	PI-C BPSK	135	158	18.58			19.0	0.0
100	PI-C BPSK	270	0	18.79				
100	QPSK	1	1	18.85				
100	QPSK	1	137	18.84			20.1	0.0
100	QPSK	1	271	19.02				
100	QPSK	135	0	18.79			19.1	1.0
100	QPSK	135	80	18.66			20.1	0.0
100	QPSK	135	158	18.87			19.1	1.0
100	QPSK	270	0	18.75				
100	16QAM	1	1	18.79			19.1	1.0
100	16QAM	1	1	18.04			17.8	2.0
100	16QAM	1	1	18.00			18.6	4.0
Channel				833000	833334	833666	Time-up time (dB)	MPR
Frequency (MHz)				833000	833334	833666		
80	QPSK	1	1	18.05	18.64	18.05	20.1	0.0
Channel				832666	833334	834000	Time-up time (dB)	MPR
Frequency (MHz)				832666	833334	834000		
80	QPSK	1	1	18.05	18.06	18.05	20.1	0.0
Channel				832334	833334	834334	Time-up time (dB)	MPR
Frequency (MHz)				832334	833334	834334		
70	QPSK	1	1	18.07	18.76	18.08	20.1	0.0
Channel				832000	833334	834666	Time-up time (dB)	MPR
Frequency (MHz)				832000	833334	834666		
80	QPSK	1	1	18.03	18.06	18.02	20.1	0.0
Channel				831668	833334	835000	Time-up time (dB)	MPR
Frequency (MHz)				831668	833334	835000		
80	QPSK	1	1	18.06	18.70	18.04	20.1	0.0
Channel				831334	833334	835334	Time-up time (dB)	MPR
Frequency (MHz)				831334	833334	835334		
80	QPSK	1	1	18.02	18.82	18.02	20.1	0.0
Channel				831000	833334	835666	Time-up time (dB)	MPR
Frequency (MHz)				831000	833334	835666		
80	QPSK	1	1	18.06	18.87	18.08	20.1	0.0
Channel				830666	833334	836000	Time-up time (dB)	MPR
Frequency (MHz)				830666	833334	836000		
80	QPSK	1	1	18.05	18.64	18.06	20.1	0.0



Par270 n77 Ant2_PC3 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turnup time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	16.58	16.69	16.80			
100	PIQ-BPSK	1	137	16.50	16.53	16.43	18.6	0.0	
100	PIQ-BPSK	1	271	17.71	17.71	17.60			
100	PIQ-BPSK	135	0	17.37	17.32	17.44	18.6	0.0	
100	PIQ-BPSK	135	60	17.20	17.30	17.30	18.6	0.0	
100	PIQ-BPSK	135	138	17.39	17.42	17.35	18.6	0.0	
100	PIQ-BPSK	270	0	17.24	17.46	17.30			
100	QPSK	1	1	17.73	17.77	17.51			
100	QPSK	1	137	17.50	17.82	17.51	18.6	0.0	
100	QPSK	1	271	17.63	17.71	17.51			
100	QPSK	135	0	17.48	17.34	17.46	18.6	0.0	
100	QPSK	135	60	17.20	17.30	17.30	18.6	0.0	
100	QPSK	135	138	17.35	17.38	17.41	18.6	0.0	
100	QPSK	270	0	17.26	17.41	17.27			
100	16QAM	1	1	17.30	17.30	17.26	18.6	0.0	
100	16QAM	1	1	16.87	16.86	16.72	17.6	1.0	
100	16QAM	1	1	16.40	16.50	16.40	18.6	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	17.50	17.52	17.51	18.6	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	17.37	17.32	17.44	18.6	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	17.73	17.77	17.51	18.6	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	17.39	17.42	17.35	18.6	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	16.50	16.50	16.50	18.6	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	17.23	17.22	17.23	18.6	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	17.36	17.36	17.41	18.6	0.0	

Par270 n77 Ant2_PC2 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	20.37	20.73	20.70			
100	PIQ-BPSK	1	137	20.60	20.78	20.22	21.6	0.0	
100	PIQ-BPSK	1	271	20.61	20.70	20.60			
100	PIQ-BPSK	135	0	19.90	20.17	20.20	21.6	0.0	
100	PIQ-BPSK	135	60	20.01	20.70	20.40	21.6	0.0	
100	PIQ-BPSK	135	138	20.28	20.28	20.10	21.6	0.0	
100	PIQ-BPSK	270	0	20.01	20.12	19.91	21.6	0.0	
100	QPSK	1	1	20.63	20.60	20.70			
100	QPSK	1	137	20.70	20.70	20.60	21.6	0.0	
100	QPSK	1	271	20.58	20.70	20.70			
100	QPSK	135	0	19.88	19.77	19.80	21.6	0.0	
100	QPSK	135	60	20.36	20.66	20.40	21.6	0.0	
100	QPSK	135	138	19.92	19.83	19.91	21.6	0.0	
100	QPSK	270	0	19.88	19.88	19.47	21.6	0.0	
100	16QAM	1	1	19.38	19.30	19.41	21.6	0.0	
100	16QAM	1	1	18.44	18.53	18.34	19.6	2.0	
100	16QAM	1	1	18.20	18.30	18.20	17.6	4.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.50	20.76	20.70	21.6	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	19.90	20.17	20.20	21.6	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.08	20.28	20.10	21.6	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.72	20.70	20.60	21.6	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	19.38	19.37	19.40	21.6	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.01	20.52	19.81	21.6	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	19.90	20.17	20.20	21.6	0.0	

Par270Q n77_Ant_2_PC3 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	17.65					
100	PIQ-BPSK	1	137	17.53			18.6	0.0	
100	PIQ-BPSK	1	271	17.60					
100	PIQ-BPSK	135	0	17.40			18.6	0.0	
100	PIQ-BPSK	135	60	17.40			18.6	0.0	
100	PIQ-BPSK	135	138	17.19			17.30		
100	PIQ-BPSK	270	0	17.70			18.6	0.0	
100	QPSK	1	1	17.73			18.6	0.0	
100	QPSK	1	137	17.47			18.6	0.0	
100	QPSK	1	271	17.60					
100	QPSK	135	0	17.27			18.6	0.0	
100	QPSK	135	60	17.30			18.6	0.0	
100	QPSK	135	138	17.30			18.6	0.0	
100	QPSK	270	0	17.50			18.6	0.0	
100	16QAM	1	1	17.20			18.6	0.0	
100	16QAM	1	1	16.80			17.6	1.0	
100	16QAM	1	1	16.40			18.6	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	17.37	17.50	17.44	18.6	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	17.73	17.77	17.51	18.6	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	17.50	17.60	17.51	18.6	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	17.50	17.60	17.51	18.6	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	16.58	16.60	16.50	18.6	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	16.37	16.36	16.44	18.6	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	17.73	17.77	17.51	18.6	0.0	

Par270Q n77_Ant_2_PC2 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	20.50					
100	PIQ-BPSK	1	137	21.60			21.6	0.0	
100	PIQ-BPSK	1	271	21.61					
100	PIQ-BPSK	135	0	20.40			21.6	0.0	
100	PIQ-BPSK	135	60	20.20			21.6	0.0	
100	PIQ-BPSK	135	138	20.51			21.6	0.0	
100	PIQ-BPSK	270	0	20.20			21.6	0.0	
100	QPSK	1	1	21.50					
100	QPSK	1	137	20.50			21.6	0.0	
100	QPSK	1	271	20.51					
100	QPSK	135	0	20.71			21.6	0.0	
100	QPSK	135	60	20.70			21.6	0.0	
100	QPSK	135	138	1					
100	QPSK	270	0	1					
100	QPSK	270	0	18.23			21.6	2.0	2.0
100	QPSK	270	0	18.24			21.6	2.0	2.0
100	QPSK	270	0	18.25			21.6	2.0	2.0
100	QPSK	270	0	18.26			21.6	2.0	2.0
100	QPSK	270	0	18.43			21.6	4.0	4.0
Channel									
100	QPSK	270	0	81400	81534	81668	Turn-up time (dBm)	MPR	
100	QPSK	270	0	20.57	20.73	20.80	21.6	0.0	
100	QPSK	270	0	81668	81534	81400	Turn-up time (dBm)	MPR	
100	QPSK	270	0	20.81	20.73	20.57	21.6	0.0	
100	QPSK	270	0	20.81	20.79	21.61	21.6	0.0	
100	QPSK	270	0	21.61	21.57	21.61	21.6	0.0	
Channel									
Frequency [MHz]									
100	QPSK	270	0	3445.31	3500.01	3554.71	Turn-up time (dBm)	MPR	
100	QPSK	270	0	20.50	20.76	20.99	21.6	0.0	
100	QPSK	270	0	20.50	20.76	20.99	21.6	0.0	
100	QPSK	270	0	20.72	20.73	20.99	21.6	0.0	
Channel									
Frequency [MHz]									
100	QPSK	270	0	81166	81534	81902	Turn-up time (dBm)	MPR	
100	QPSK	270	0	20.52	20.78	21.02	21.6	0.0	
100	QPSK	270	0	3445.31	3500.01	3554.71	Turn-up time (dBm)	MPR	
100	QPSK	270	0	19.68	19.77	20.04	21.6	0.0	
40	QPSK	1	1	19.49	19.49	19.50	21.6	0.0	
40	QPSK	1	1	19.50	19.50	19.51	21.6	0.0	
40	QPSK	1	1	19.51	19.51	19.52	21.6	0.0	
40	QPSK	1	1	19.52	19.52	19.53	21.6	0.0	
40	QPSK	1	1	19.53	19.53	19.54	21.6	0.0	
40	QPSK	1	1	19.54	19.54	19.55	21.6	0.0	
40	QPSK	1	1	19.55	19.55	19.56	21.6	0.0	
40	QPSK	1	1	19.56	19.56	19.57	21.6	0.0	
40	QPSK	1	1	19.57	19.57	19.58	21.6	0.0	
40	QPSK	1	1	19.58	19.58	19.59	21.6	0.0	
40	QPSK	1	1	19.59	19.59	19.60	21.6	0.0	
40	QPSK	1	1	19.60	19.60	19.61	21.6	0.0	
40	QPSK	1	1	19.61	19.61	19.62	21.6	0.0	
40	QPSK	1	1	19.62	19.62	19.63	21.6	0.0	
40	QPSK	1	1	19.63	19.63	19.64	21.6	0.0	
40	QPSK	1	1	19.64	19.64	19.65	21.6	0.0	
40	QPSK	1	1	19.65	19.65	19.66	21.6	0.0	
40	QPSK	1	1	19.66	19.66	19.67	21.6	0.0	
40	QPSK	1	1	19.67	19.67	19.68	21.6	0.0	
40	QPSK	1	1	19.68	19.68	19.69	21.6	0.0	
40	QPSK	1	1	19.69	19.69	19.70	21.6	0.0	
40	QPSK	1	1	19.70	19.70	19.71	21.6	0.0	
40	QPSK	1	1	19.71	19.71	19.72	21.6	0.0	
40	QPSK	1	1	19.72	19.72	19.73	21.6	0.0	
40	QPSK	1	1	19.73	19.73	19.74	21.6	0.0	
40	QPSK	1	1	19.74	19.74	19.75	21.6	0.0	
40	QPSK	1	1	19.75	19.75	19.76	21.6	0.0	
40	QPSK	1	1	19.76	19.76	19.77	21.6	0.0	
40	QPSK	1	1	19.77	19.77	19.78	21.6	0.0	
40	QPSK	1	1	19.78	19.78	19.79	21.6	0.0	
40	QPSK	1	1	19.79	19.79	19.80	21.6	0.0	
40	QPSK	1	1	19.80	19.80	19.81	21.6	0.0	
40	QPSK	1	1	19.81	19.81	19.82	21.6	0.0	
40	QPSK	1	1	19.82	19.82	19.83	21.6	0.0	
40	QPSK	1	1	19.83	19.83	19.84	21.6	0.0	
40	QPSK	1	1	19.84	19.84	19.85	21.6	0.0	
40	QPSK	1	1	19.85	19.85	19.86	21.6	0.0	
40	QPSK	1	1	19.86	19.86	19.87	21.6	0.0	
40	QPSK	1	1	19.87	19.87	19.88	21.6	0.0	
40	QPSK	1	1	19.88	19.88	19.89	21.6	0.0	
40	QPSK	1	1	19.89	19.89	19.90	21.6	0.0	
40	QPSK	1	1	19.90	19.90	19.91	21.6	0.0	
40	QPSK	1	1	19.91	19.91	19.92	21.6	0.0	
40	QPSK	1	1	19.92	19.92	19.93	21.6	0.0	
40	QPSK	1	1	19.93	19.93	19.94	21.6	0.0	
40	QPSK	1	1	19.94	19.94	19.95	21.6	0.0	
40	QPSK	1	1	19.95	19.95	19.96	21.6	0.0	
40	QPSK	1	1	19.96	19.96	19.97	21.6	0.0	
40	QPSK	1	1	19.97	19.97	19.98	21.6	0.0	
40	QPSK	1	1	19.98	19.98	19.99	21.6	0.0	
40	QPSK	1	1	19.99	19.99	20.00	21.6	0.0	

Part27O n78 Ant2_PC3 DS16 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Main Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	PB2-BPSK	1	1		16.59			
100	PB2-BPSK	1	137		16.43		16.6	0.0
100	PB2-BPSK	1	271		17.41			
100	PB2-BPSK	135	0		17.42		16.1	0.5
100	PB2-BPSK	135	66		17.43		16.6	0.5
100	PB2-BPSK	135	136		17.32		16.1	0.5
100	PB2-BPSK	270	0		17.36			
100	QPSK	1	1		17.67			
100	QPSK	1	137		17.52		16.6	0.0
100	QPSK	1	271		17.61			
100	QPSK	135	0		17.44		17.6	1.0
100	QPSK	135	66		17.42		16.6	0.0
100	QPSK	135	136		17.26		17.6	1.0
100	QPSK	270	0		17.31			
100	16QAM	1	1		17.25		17.6	1.0
100	16QAM	1	1		16.76		16.1	2.5
100	16QAM	1	1		16.56		16.1	4.5
Channel								
Frequency (MHz)								
50	QPSK	1	1		17.25		17.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1		16.58	16.69	16.60	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1		17.05	17.43	16.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1		17.29	17.48	16.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		17.09	17.62	17.61	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1		17.23	17.77	17.61	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1		17.42	17.74	17.46	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1		17.46	17.54	17.46	0.0

Part27Q n78_Ant_2_PC3 DS16 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Main Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	PB2-BPSK	1	1		17.36			
100	PB2-BPSK	1	137		17.43		16.6	0.0
100	PB2-BPSK	1	271		17.35			
100	PB2-BPSK	135	0		17.35		16.1	0.5
100	PB2-BPSK	135	66		17.26		16.6	0.5
100	PB2-BPSK	135	136		17.69		16.1	0.5
100	PB2-BPSK	270	0		17.26			
100	QPSK	1	1		17.65			
100	QPSK	1	137		17.37		16.6	0.0
100	QPSK	1	271		17.64			
100	QPSK	135	0		17.27		17.6	1.0
100	QPSK	135	66		17.26		16.6	0.0
100	QPSK	135	136		17.25		17.6	1.0
100	QPSK	270	0		17.26			
100	16QAM	1	1		17.26		17.6	1.0
100	16QAM	1	1		16.53		16.1	2.5
100	16QAM	1	1		16.51		16.1	4.5
Channel								
Frequency (MHz)								
50	QPSK	1	1		17.16	17.36	17.41	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1		16.67	16.86	16.72	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1		17.46	17.64	17.46	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1		17.16	17.29	17.43	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		17.09	17.42	17.26	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1		16.38	16.69	16.60	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1		17.23	17.26	17.24	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1		17.16	17.36	17.41	0.0

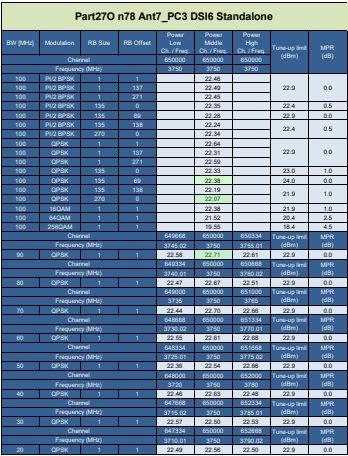


Par270 n77 Ant7_PC3 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turnup time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PLQ BPSK	1	1	22.54	22.58	22.42			
100	PLQ BPSK	1	137	22.29	22.39	22.45	22.9	0.0	
100	PLQ BPSK	1	271	22.40	22.55	22.35			
100	PLQ BPSK	135	0	22.25	22.45	22.33	22.9	0.0	
100	PLQ BPSK	135	68	22.27	22.38	22.25	22.9	0.0	
100	PLQ BPSK	135	138	22.29	22.34	22.25	22.9	0.0	
100	PLQ BPSK	270	0	22.36	22.44	22.22			
100	QPSK	1	1	22.54	22.58	22.55			
100	QPSK	1	137	22.52	22.41	22.41	22.9	0.0	
100	QPSK	1	271	22.50	22.60	22.51			
100	QPSK	135	0	22.28	22.48	22.35	22.9	0.0	
100	QPSK	135	68	22.29	22.39	22.26	22.9	0.0	
100	QPSK	135	138	22.29	22.29	22.14	22.9	0.0	
100	QPSK	270	0	22.32	22.17	22.08			
100	16QAM	1	1	22.48	22.48	22.45	22.9	0.0	
100	16QAM	1	1	21.70	21.82	21.82	21.9	1.0	
100	16QAM	1	1	19.88	19.85	19.80	19.9	3.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	22.44	22.53	22.45	22.9	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	22.27	22.34	22.30	22.9	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	22.54	22.63	22.57	22.9	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	22.48	22.50	22.50	22.9	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	22.44	22.58	22.55	22.9	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	22.50	22.35	22.35	22.9	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.48	22.54	22.54	22.9	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.58	22.66	22.61	22.9	0.0	

Par270 n77 Ant7_PC2 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PLQ BPSK	1	1	25.46	25.57	25.35			
100	PLQ BPSK	1	137	25.45	25.48	25.30	25.9	0.0	
100	PLQ BPSK	1	271	25.35	25.52	25.35			
100	PLQ BPSK	135	0	24.89	25.01	25.01	25.9	0.0	
100	PLQ BPSK	135	68	25.25	25.50	25.25	25.9	0.0	
100	PLQ BPSK	135	138	24.75	24.84	24.69	25.9	0.0	
100	PLQ BPSK	270	0	24.72	24.80	24.77	25.9	0.0	
100	QPSK	1	137	25.45	25.45	25.37	25.9	0.0	
100	QPSK	1	271	25.29	25.57	25.45			
100	QPSK	135	0	25.39	25.41	25.38	25.9	0.0	
100	QPSK	135	68	25.34	25.45	25.29	25.9	0.0	
100	QPSK	135	138	24.71	24.78	24.51	25.9	0.0	
100	QPSK	270	0	24.31	24.37	24.25	25.9	0.0	
100	16QAM	1	1	24.85	24.83	24.80	25.9	0.0	
100	16QAM	1	1	23.97	23.28	23.08	25.9	2.0	
100	16QAM	1	1	20.33	21.11	21.01	21.4	4.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	25.56	25.56	25.45	25.9	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	25.60	25.50	25.49	25.9	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	25.46	25.60	25.35	25.9	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	25.43	25.50	25.42	25.9	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	25.55	25.57	25.49	25.9	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	25.35	25.67	25.40	25.9	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	25.33	25.58	25.44	25.9	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	25.53	25.55	25.44	25.9	0.0	

Par270Q n77_Ant_7_PC3 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PLQ BPSK	1	1	21.35					
100	PLQ BPSK	1	137		21.43		22.9	0.0	
100	PLQ BPSK	1	271		21.35				
100	PLQ BPSK	135	0		21.34		22.9	0.0	
100	PLQ BPSK	135	68		21.25		22.9	0.0	
100	PLQ BPSK	135	138		21.50		22.9	0.0	
100	PLQ BPSK	270	0		21.35		22.9	0.0	
100	QPSK	1	1		21.67		22.9	0.0	
100	QPSK	1	137		21.41		22.9	0.0	
100	QPSK	1	271		21.63				
100	QPSK	135	0		21.43		22.9	0.0	
100	QPSK	135	68		21.45		22.9	0.0	
100	QPSK	135	138		21.21		22.9	0.0	
100	QPSK	270	0		21.35		22.9	0.0	
100	16QAM	1	1		21.45		22.9	0.0	
100	16QAM	1	1		20.81		21.9	1.0	
100	16QAM	1	1		18.45		18.9	3.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	22.48	22.44	22.51	22.9	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	22.48	22.54	22.45	22.9	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	22.41	22.55	22.55	22.9	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	22.53	22.69	22.52	22.9	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	22.51	22.68	22.58	22.9	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	22.38	22.54	22.35	22.9	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.44	22.60	22.54	22.9	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.44	22.57	22.59	22.9	0.0	

Par270Q n77_Ant_7_PC2 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PLQ BPSK	1	1	25.75					
100	PLQ BPSK	1	157	25.75			25.1	0.0	
100	PLQ BPSK	1	313	25.75					
100	PLQ BPSK	156	0	25.12			25.1	0.0	
100	PLQ BPSK	156	156	25.12					
100	PLQ BPSK	2713	0	25.12			25.1	0.0	
100	PLQ BPSK	2713	156	25.12					
100	QPSK	1	157	25.51			25.5	0.0	
100	QPSK	1	313	25.51					
100	QPSK	156	0	25.28			25.1	0.0	
100	QPSK	156	156	25.28					
100	QPSK	2713	0	25.28			25.1	0.0	
100	QPSK	2713	156	25.28					
100	16QAM	1	1	25.38			25.1	2.0	
100	16QAM	1	1	25.38			25.1	2.0	
Channel				933000	933334	933668	Turn-up time	MFR	
30	QPSK	1	1	24.88	24.87	24.77	24.5	0.0	
30	QPSK	1	1	933000	933334	933668	Turn-up time	MFR	
30	QPSK	1	1	933000	933334	933668	Turn-up time	MFR	
30	QPSK	1	1	24.84	24.85	24.80	24.5	0.0	
30	QPSK	1	1	933000	933334	933668	Turn-up time	MFR	
Frequency [MHz]				348.51	350.01	351.51	Turn-up time	MFR	
30	QPSK	1	1	25.09	25.09	25.04	24.8	0.0	
30	QPSK	1	1	933000	933334	933668	Turn-up time	MFR	
30	QPSK	1	1	24.97	24.79	24.60	24.5	0.0	
Channel				931668	933334	935000	Turn-up time	MFR	
30	QPSK	1	1	34.97	34.97	34.92	34.7	0.0	
30	QPSK	1	1	24.75	24.72	24.60	24.5	0.0	
30	QPSK	1	1	931668	933334	935000	Turn-up time	MFR	
40	QPSK	1	1	24.79	24.79	24.54	24.5	0.0	
40	QPSK	1	1	931668	933334	935000	Turn-up time	MFR	
Frequency [MHz]				24.79	24.76	24.69	24.5	0.0	
30	QPSK	1	1	24.68	24.76	24.69	24.5	0.0	
Channel				930668	933334	936000	Turn-up time	MFR	
30	QPSK	1	1	24.69	24.68	24.62	24.5	0.0	

[illegible]



Par27O n77 Ant2_PC3 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	21.05	21.05	20.85		21.4	0.0
100	PIQ-BPSK	1	137	20.83	21.07	20.85			
100	PIQ-BPSK	1	271	20.92	21.02	20.85			
100	PIQ-BPSK	135	0	20.79	20.94	20.85		21.4	0.0
100	PIQ-BPSK	135	68	20.84	20.86	20.87			
100	PIQ-BPSK	135	138	20.89	20.88	20.72	21.4	0.0	
100	PIQ-BPSK	270	0	20.84	20.81	20.85			
100	QPSK	1	1	21.05	21.05	21.05		21.4	0.0
100	QPSK	1	137	21.04	20.95	20.85			
100	QPSK	1	271	20.99	21.10	21.05			
100	QPSK	135	0	20.82	21.02	20.87	21.4	0.0	
100	QPSK	135	68	20.79	20.96	20.78	21.4	0.0	
100	QPSK	135	138	20.64	20.85	20.85	21.4	0.0	
100	QPSK	270	0	20.87	20.88	20.85			
100	16QAM	1	1	21.05	20.98	21.07	21.4	0.0	
100	16QAM	1	1	20.21	20.14	20.08	20.4	1.0	
100	16QAM	1	1	11.23	11.12	11.15	10.4	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.56	20.58	20.55	21.4	0.0	
50	QPSK	1	1	643334	630000	630000	MPR		
Frequency [MHz]									
80	QPSK	1	1	2145.01	3440	3440.20	(dB)		
Channel									
Frequency [MHz]									
70	QPSK	1	1	21.05	21.05	21.04	21.4	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.57	21.01	20.98	21.4	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.59	21.07	20.87	21.4	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	21.42	21.18	21.05	21.4	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.85	21.18	21.05	21.4	0.0	

Par27O n77 Ant2_PC2 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	20.76	20.83	20.79			
100	PIQ-BPSK	1	137	20.92	20.83	20.70	24.4	0.0	
100	PIQ-BPSK	1	271	20.72	20.82	20.82			
100	PIQ-BPSK	135	0	20.27	20.45	20.40	24.4	0.0	
100	PIQ-BPSK	135	68	20.81	20.77	20.70	24.4	0.0	
100	PIQ-BPSK	135	138	20.70	20.28	20.21	24.4	0.0	
100	PIQ-BPSK	270	0	20.11	20.25	20.17	24.4	0.0	
100	QPSK	1	1	20.93	20.93	20.93			
100	QPSK	1	137	20.88	20.89	20.77	24.4	0.0	
100	QPSK	1	271	20.70	20.72	20.84			
100	QPSK	135	0	20.80	20.78	20.70	24.4	0.0	
100	QPSK	135	68	20.81	20.70	20.67	24.4	0.0	
100	QPSK	135	138	20.48	20.70	20.67	24.4	0.0	
100	QPSK	270	0	20.70	20.72	20.68	24.4	0.0	
100	16QAM	1	1	20.90	20.23	20.95	24.4	0.0	
100	16QAM	1	1	21.48	21.87	21.51	20.4	2.0	
100	16QAM	1	1	10.29	10.46	10.43	10.0	4.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.59	24.00	20.51	24.4	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.88	24.00	20.90	24.4	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	24.00	20.99	20.85	24.4	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	24.00	24.00	20.70	24.4	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	24.00	20.98	20.84	24.4	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	24.00	20.87	20.80	24.4	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	24.00	20.96	20.88	24.4	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.90	20.98	20.97	24.4	0.0	

Part27Q n77_Ant 7_PC3 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	20.85					
100	PIQ-BPSK	1	137	20.87			21.4	0.0	
100	PIQ-BPSK	1	271	20.92					
100	PIQ-BPSK	135	0	20.81			21.4	0.0	
100	PIQ-BPSK	135	68	20.80			21.4	0.0	
100	PIQ-BPSK	135	138	20.79			21.4	0.0	
100	PIQ-BPSK	270	0	20.85			21.4	0.0	
100	QPSK	1	1	21.17					
100	QPSK	1	137	20.92			21.4	0.0	
100	QPSK	1	271	21.14					
100	QPSK	135	0	20.91			21.4	0.0	
100	QPSK	135	68	20.90			21.4	0.0	
100	QPSK	135	138	20.87			21.4	0.0	
100	QPSK	270	0	20.84			21.4	0.0	
100	16QAM	1	1	20.89			21.4	0.0	
100	16QAM	1	1	20.18			19.4	2.0	
100	16QAM	1	1	10.90			10.0	4.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	21.00	21.17	21.00	21.4	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.94	21.00	20.99	21.4	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.87	21.12	20.88	21.4	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	21.00	21.18	20.78	21.4	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.99	21.21	20.88	21.4	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.92	21.07	20.85	21.4	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.87	21.00	20.84	21.4	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.90	21.08	20.88	21.4	0.0	

Part27Q n77_Ant 7_PC2 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	20.47					
100	PIQ-BPSK	1	137	20.37			24.4	0.0	
100	PIQ-BPSK	1	271	21.41					
100	PIQ-BPSK	135	0	22.84			24.4	0.0	
100	PIQ-BPSK	135	68	21.29			24.4	0.0	
100	PIQ-BPSK	270	0	22.77			24.4	0.0	
100	GPB-K	1	137	20.37			24.4	0.0	
100	GPB-K	1	271	21.41					
100	GPB-K	135	0	21.51			24.4	0.0	
100	GPB-K	135	68	21.29			24.4	0.0	
100	GPB-K	270	0	22.71			24.4	0.0	
100	SCB-K	1	137	20.37			24.4	0.0	
100	SCB-K	1	271	21.41			24.4	0.0	
100	SCB-K	135	0	21.50			24.4	0.0	
100	SCB-K	135	68	21.29			24.4	0.0	
Channel									
Frequency [MHz]									
100	GPB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	GPB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	GPB-K	135	0	21.51	21.51	21.51	24.4	0.0	
100	GPB-K	135	68	21.29	21.29	21.29	24.4	0.0	
100	GPB-K	270	0	22.71	22.71	22.71	24.4	0.0	
100	SCB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	SCB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	SCB-K	135	0	21.50	21.50	21.50	24.4	0.0	
100	SCB-K	135	68	21.29	21.29	21.29	24.4	0.0	
Channel									
Frequency [MHz]									
100	GPB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	GPB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	GPB-K	135	0	21.51	21.51	21.51	24.4	0.0	
100	GPB-K	135	68	21.29	21.29	21.29	24.4	0.0	
100	GPB-K	270	0	22.71	22.71	22.71	24.4	0.0	
100	SCB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	SCB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	SCB-K	135	0	21.50	21.50	21.50	24.4	0.0	
100	SCB-K	135	68	21.29	21.29	21.29	24.4	0.0	
Channel									
Frequency [MHz]									
100	GPB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	GPB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	GPB-K	135	0	21.51	21.51	21.51	24.4	0.0	
100	GPB-K	135	68	21.29	21.29	21.29	24.4	0.0	
100	GPB-K	270	0	22.71	22.71	22.71	24.4	0.0	
100	SCB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	SCB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	SCB-K	135	0	21.50	21.50	21.50	24.4	0.0	
100	SCB-K	135	68	21.29	21.29	21.29	24.4	0.0	
Channel									
Frequency [MHz]									
100	GPB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	GPB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	GPB-K	135	0	21.51	21.51	21.51	24.4	0.0	
100	GPB-K	135	68	21.29	21.29	21.29	24.4	0.0	
100	GPB-K	270	0	22.71	22.71	22.71	24.4	0.0	
100	SCB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	SCB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	SCB-K	135	0	21.50	21.50	21.50	24.4	0.0	
100	SCB-K	135	68	21.29	21.29	21.29	24.4	0.0	
Channel									
Frequency [MHz]									
100	GPB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	GPB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	GPB-K	135	0	21.51	21.51	21.51	24.4	0.0	
100	GPB-K	135	68	21.29	21.29	21.29	24.4	0.0	
100	GPB-K	270	0	22.71	22.71	22.71	24.4	0.0	
100	SCB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	SCB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	SCB-K	135	0	21.50	21.50	21.50	24.4	0.0	
100	SCB-K	135	68	21.29	21.29	21.29	24.4	0.0	
Channel									
Frequency [MHz]									
100	GPB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	GPB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	GPB-K	135	0	21.51	21.51	21.51	24.4	0.0	
100	GPB-K	135	68	21.29	21.29	21.29	24.4	0.0	
100	GPB-K	270	0	22.71	22.71	22.71	24.4	0.0	
100	SCB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	SCB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	SCB-K	135	0	21.50	21.50	21.50	24.4	0.0	
100	SCB-K	135	68	21.29	21.29	21.29	24.4	0.0	
Channel									
Frequency [MHz]									
100	GPB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	GPB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	GPB-K	135	0	21.51	21.51	21.51	24.4	0.0	
100	GPB-K	135	68	21.29	21.29	21.29	24.4	0.0	
100	GPB-K	270	0	22.71	22.71	22.71	24.4	0.0	
100	SCB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	SCB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	SCB-K	135	0	21.50	21.50	21.50	24.4	0.0	
100	SCB-K	135	68	21.29	21.29	21.29	24.4	0.0	
Channel									
Frequency [MHz]									
100	GPB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	GPB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	GPB-K	135	0	21.51	21.51	21.51	24.4	0.0	
100	GPB-K	135	68	21.29	21.29	21.29	24.4	0.0	
100	GPB-K	270	0	22.71	22.71	22.71	24.4	0.0	
100	SCB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	SCB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	SCB-K	135	0	21.50	21.50	21.50	24.4	0.0	
100	SCB-K	135	68	21.29	21.29	21.29	24.4	0.0	
Channel									
Frequency [MHz]									
100	GPB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	GPB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	GPB-K	135	0	21.51	21.51	21.51	24.4	0.0	
100	GPB-K	135	68	21.29	21.29	21.29	24.4	0.0	
100	GPB-K	270	0	22.71	22.71	22.71	24.4	0.0	
100	SCB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	SCB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	SCB-K	135	0	21.50	21.50	21.50	24.4	0.0	
100	SCB-K	135	68	21.29	21.29	21.29	24.4	0.0	
Channel									
Frequency [MHz]									
100	GPB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	GPB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	GPB-K	135	0	21.51	21.51	21.51	24.4	0.0	
100	GPB-K	135	68	21.29	21.29	21.29	24.4	0.0	
100	GPB-K	270	0	22.71	22.71	22.71	24.4	0.0	
100	SCB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	SCB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	SCB-K	135	0	21.50	21.50	21.50	24.4	0.0	
100	SCB-K	135	68	21.29	21.29	21.29	24.4	0.0	
Channel									
Frequency [MHz]									
100	GPB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	GPB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	GPB-K	135	0	21.51	21.51	21.51	24.4	0.0	
100	GPB-K	135	68	21.29	21.29	21.29	24.4	0.0	
100	GPB-K	270	0	22.71	22.71	22.71	24.4	0.0	
100	SCB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	SCB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	SCB-K	135	0	21.50	21.50	21.50	24.4	0.0	
100	SCB-K	135	68	21.29	21.29	21.29	24.4	0.0	
Channel									
Frequency [MHz]									
100	GPB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	GPB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	GPB-K	135	0	21.51	21.51	21.51	24.4	0.0	
100	GPB-K	135	68	21.29	21.29	21.29	24.4	0.0	
100	GPB-K	270	0	22.71	22.71	22.71	24.4	0.0	
100	SCB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	SCB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	SCB-K	135	0	21.50	21.50	21.50	24.4	0.0	
100	SCB-K	135	68	21.29	21.29	21.29	24.4	0.0	
Channel									
Frequency [MHz]									
100	GPB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	GPB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	GPB-K	135	0	21.51	21.51	21.51	24.4	0.0	
100	GPB-K	135	68	21.29	21.29	21.29	24.4	0.0	
100	GPB-K	270	0	22.71	22.71	22.71	24.4	0.0	
100	SCB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	SCB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	SCB-K	135	0	21.50	21.50	21.50	24.4	0.0	
100	SCB-K	135	68	21.29	21.29	21.29	24.4	0.0	
Channel									
Frequency [MHz]									
100	GPB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	GPB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	GPB-K	135	0	21.51	21.51	21.51	24.4	0.0	
100	GPB-K	135	68	21.29	21.29	21.29	24.4	0.0	
100	GPB-K	270	0	22.71	22.71	22.71	24.4	0.0	
100	SCB-K	1	137	20.37	20.37	20.37	24.4	0.0	
100	SCB-K	1	271	21.41	21.41	21.41	24.4	0.0	
100	SCB-K	135	0	21.50	21.50	21.50	24.4	0.0	
100	SCB-K	135	68	21.29	21.29	21.29	24.4	0	

Part270 n78 Ant2_PC3 DSi6 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 2 Freq.	Power Max Ch. 2 Freq.	Power High Ch. 2 Freq.	Time-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI-C BPSK	1	1	20.82				
100	PI-C BPSK	1	137	20.86			21.4	0.0
100	PI-C BPSK	1	271	20.93				
100	PI-C BPSK	135	0	20.75			21.4	0.0
100	PI-C BPSK	135	86	20.76			21.4	0.0
100	PI-C BPSK	135	138	20.74			21.4	0.0
100	PI-C BPSK	270	0	20.84				
100	QPSK	1	1	21.10				
100	QPSK	1	137	20.86			21.4	0.0
100	QPSK	1	271	21.10				
100	QPSK	135	0	20.85			21.4	0.0
100	QPSK	135	86	20.86			21.4	0.0
100	QPSK	135	138	20.85			21.4	0.0
100	QPSK	270	0	20.77			21.4	0.0
100	16QAM	1	1	20.86			21.4	0.0
100	16QAM	1	1	20.17			18.4	2.0
100	16QAM	1	1	17.64			15.6	4.5
Channel								
Frequency (MHz)								
80	QPSK	1	1	54956	55000	55034	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.59	21.05	21.02	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.87	20.99	21.01	21.4	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.83	21.11	20.99	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54966	55000	55034	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.84	21.03	20.83	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55000	55100	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.89	21.08	20.88	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.81	21.14	20.78	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55000	55100	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.83	21.06	20.82	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.01	21.09	20.94	21.4	0.0

Part27Q n78_FCC Ant 7_PC3 DSi6 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 2 Freq.	Power Max Ch. 2 Freq.	Power High Ch. 2 Freq.	Time-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI-C BPSK	1	1	20.84				
100	PI-C BPSK	1	137	20.87			21.4	0.0
100	PI-C BPSK	1	271	20.93				
100	PI-C BPSK	135	0	20.82			21.4	0.0
100	PI-C BPSK	135	86	20.82			21.4	0.0
100	PI-C BPSK	135	138	20.74			21.4	0.0
100	PI-C BPSK	270	0	20.84				
100	QPSK	1	1	21.10				
100	QPSK	1	137	20.86			21.4	0.0
100	QPSK	1	271	21.11				
100	QPSK	135	0	20.90			21.4	1.0
100	QPSK	135	86	20.91			21.4	1.0
100	QPSK	135	138	20.89			21.4	1.0
100	QPSK	270	0	20.87			21.4	0.0
100	16QAM	1	1	20.92			21.4	0.0
100	16QAM	1	1	18.80			18.4	2.0
100	16QAM	1	1	15.90			15.3	4.5
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55034	55034	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.90	21.01	20.99	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55034	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.84	20.94	20.99	21.4	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.77	21.04	20.95	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55034	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.01	21.10	20.91	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55034	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.91	21.02	20.99	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55034	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.87	20.97	20.95	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55034	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.82	21.07	20.98	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55034	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.90	21.09	20.79	21.4	0.0

Full Power level/Default Power level/ Pmax Power Level for SRS

Par270 n77 Ant 3_PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Max Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Time-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIC2 BPSK	1	1	22.87	22.78	22.68			
100	PIC2 BPSK	1	137	22.82	22.83	22.86	24.0	0	0
100	PIC2 BPSK	1	211	22.92	22.90	22.73			
100	PIC2 BPSK	135	0	22.93	22.81	22.62	24.0	0	0.0
100	PIC2 BPSK	135	68	22.71	22.70	22.51	24.0	0	0
100	PIC2 BPSK	135	138	22.82	22.80	22.78	24.0	0	0
100	PIC2 BPSK	210	0	22.95	22.78	22.64			
100	QPSK	1	1	22.95	22.95	22.83			
100	QPSK	1	137	22.74	22.79	22.68	24.0	0	0
100	QPSK	1	211	22.78	23.02	22.83			
100	QPSK	135	0	22.97	22.89	22.80	24.0	0	0
100	QPSK	135	68	22.85	22.70	22.61	24.0	0	0
100	QPSK	135	138	22.86	22.70	22.69	24.0	0	0
100	QPSK	210	0	22.82	22.88	22.56			
100	SSB-AM	1	1	22.82	22.85	22.52	24.0	0	0
100	SSB-AM	1	1	21.84	21.88	21.87	22.0	1	1
100	SSB-AM	1	1	19.81	19.87	19.86	21.0	1	1
Channel									
Frequency [MHz]									
80	QPSK	1	1	22.79	22.77	22.67	24.0	0	0
Channel									
Frequency [MHz]									
80	QPSK	1	1	22.92	22.91	22.82	24.0	0	0
Channel									
Frequency [MHz]									
70	QPSK	1	1	22.74	22.68	22.57	24.0	0	0
Channel									
Frequency [MHz]									
60	QPSK	1	1	22.70	22.70	22.67	24.0	0	0
Channel									
Frequency [MHz]									
60	QPSK	1	1	22.70	22.68	22.61	24.0	0	0
Channel									
Frequency [MHz]									
40	QPSK	1	1	22.81	22.84	22.81	24.0	0	0
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.79	22.79	22.72	24.0	0	0
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.74	22.80	22.51	24.0	0	0

Par270 n7 Ant 3_PC2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Max Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Time-up time (dBm)	MPR (dB)			
Channel											
Frequency [MHz]											
100	PIC2 BPSK	1	1	25.84	25.85	25.89					
100	PIC2 BPSK	1	137	25.85	25.71	25.88	27.0	0.0			
100	PIC2 BPSK	1	211	25.77	25.58	25.89					
100	PIC2 BPSK	135	0	25.29	25.25	25.32	26.5	0.0			
100	PIC2 BPSK	135	68	25.72	25.46	25.71	27.0	0.0			
100	PIC2 BPSK	135	138	25.35	25.41	25.21	26.5	0.0			
100	PIC2 BPSK	210	0	25.85	25.42	25.81	26.5	0.0			
100	QPSK	1	1	25.85	25.78	25.87	27.0	0.0			
100	QPSK	1	137	25.79	25.78	25.87	27.0	0.0			
100	QPSK	1	211	25.84	25.87	25.81					
100	QPSK	135	0	24.84	24.88	24.79	26.5	0.0			
100	QPSK	135	68	25.85	25.70	25.81	27.0	0.0			
100	QPSK	135	138	24.71	24.88	24.83	26.5	0.0			
100	QPSK	210	0	24.77	24.88	24.80	26.5	0.0			
100	SSB-AM	1	1	25.85	25.87	25.85	26.5	0.0			
100	SSB-AM	1	1	23.45	23.53	23.44	25.0	2.0			
100	SSB-AM	1	1	21.24	21.30	21.28	22.0	4.0			
Channel											
Frequency [MHz]											
80	QPSK	1	1	25.50	25.76	25.79	27.0	0.0			
Channel											
Frequency [MHz]											
80	QPSK	1	1	25.50	25.76	25.72	27.0	0.0			
Channel											
Frequency [MHz]											
70	QPSK	1	1	25.49	25.92	25.73	27.0	0.0			
Channel											
Frequency [MHz]											
60	QPSK	1	1	25.52	25.74	25.70	27.0	0.0			
Channel											
Frequency [MHz]											
50	QPSK	1	1	25.83	25.85	25.86	27.0	0.0			
Channel											
Frequency [MHz]											
40	QPSK	1	1	25.82	25.83	25.74	27.0	0.0			
Channel											
Frequency [MHz]											
30	QPSK	1	1	25.84	25.85	25.86	27.0	0.0			
Channel											
Frequency [MHz]											
20	QPSK	1	1	25.40	25.80	25.89	27.0	0.0			

Part27Q n77_Ant 3_PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Max Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Time-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIC2 BPSK	1	1		22.64			24.0	0.0
100	PIC2 BPSK	1	137		22.92				
100	PIC2 BPSK	1	211		22.70				
100	PIC2 BPSK	135	0		22.49			24.0	0.0
100	PIC2 BPSK	135	68		22.64				
100	PIC2 BPSK	135	138		22.64				
100	PIC2 BPSK	210	0		22.69			24.0	0.0
100	QPSK	1	1		22.95				
100	QPSK	1	137		22.76				
100	QPSK	1	211		22.97			24.0	0.0
100	QPSK	135	0		22.49				
100	QPSK	135	68		22.64				
100	QPSK	135	138		22.64			24.0	0.0
100	QPSK	210	0		22.69				
100	SSB-AM	1	1		22.77				
100	SSB-AM	1	1		21.77			23.0	1.0
Channel									
Frequency [MHz]									
80	QPSK	1	1		22.61			24.0	0.0
Channel									
Frequency [MHz]									
80	QPSK	1	1		22.63			24.0	0.0
Channel									
Frequency [MHz]									
70	QPSK	1	1		22.52			24.0	0.0
Channel									
Frequency [MHz]									
60	QPSK	1	1		22.60			24.0	0.0
Channel									
Frequency [MHz]									
50	QPSK	1	1		22.45			24.0	0.0
Channel									
Frequency [MHz]									
40	QPSK	1	1		22.59			24.0	0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1		22.49			24.0	0.0
Channel									
Frequency [MHz]									
20	QPSK	1	1		22.55			23.0	0.0

Part270 n78_Ant_3_PC3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turnup time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				Power Low	Power Max	Power High	Turnup time	MFR	
				dBm	dBm	dBm			
100	PL2-BPSK	1	1	22.38					
100	PL2-BPSK	1	137	22.58			24.0	0.0	
100	PL2-BPSK	1	271	22.51					
100	PL2-BPSK	135	5	22.81			23.5	0.5	
100	PL2-BPSK	135	85	22.76			24.0	0.0	
100	PL2-BPSK	135	135	22.53			23.5	0.5	
100	PL2-BPSK	270	0	22.85					
100	QPSK	1	1	22.51			24.0	0.0	
100	QPSK	1	271	22.38					
100	QPSK	135	5	21.50			23.0	1.0	
100	QPSK	135	85	21.54			24.0	0.0	
100	QPSK	135	135	21.54			23.0	1.0	
100	QPSK	270	0	21.50			23.0	1.0	
100	8QAM	1	1	21.80			23.0	1.0	
100	256QAM	1	1	20.38			21.5	2.5	
100	256QAM	1	1	18.08			18.5	4.5	
Channel									
Frequency (MHz)				849898	850000	850298	Turnup time	MFR	
				849898	850000	850298			
50	QPSK	1	1	22.59	22.76	22.55	24.0	0.0	
Channel									
Frequency (MHz)				849334	850000	850666	Turnup time	MFR	
				849334	850000	850666			
80	QPSK	1	1	22.48	22.74	22.49	24.0	0.0	
Channel									
Frequency (MHz)				849735	850000	849935	Turnup time	MFR	
				849735	850000	849935			
70	QPSK	1	1	22.82	22.87	22.85	24.0	0.0	
Channel									
Frequency (MHz)				849858	850000	849958	Turnup time	MFR	
				849858	850000	849958			
60	QPSK	1	1	22.42	22.73	22.41	24.0	0.0	
Channel									
Frequency (MHz)				849334	850000	849668	Turnup time	MFR	
				849334	850000	849668			
50	QPSK	1	1	22.59	22.74	22.57	24.0	0.0	
Channel									
Frequency (MHz)				849898	850000	850298	Turnup time	MFR	
				849898	850000	850298			
40	QPSK	1	1	22.48	22.70	22.49	24.0	0.0	
Channel									
Frequency (MHz)				849735	850000	849935	Turnup time	MFR	
				849735	850000	849935			
30	QPSK	1	1	22.42	22.74	22.50	24.0	0.0	
Channel									
Frequency (MHz)				849334	850000	849668	Turnup time	MFR	
				849334	850000	849668			
20	QPSK	1	1	22.52	22.83	22.57	24.0	0.0	

Part27Q n78_Ant_3_PC3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turnup time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				Power		Turn-up time		MFR	
				Low		High			
				dBm		dBm			
100	PL2-BPSK	1	1	22.31					
100	PL2-BPSK	1	137	22.49			24.0	0.0	
100	PL2-BPSK	1	271	22.42					
100	PL2-BPSK	135	5	21.85			23.5	0.5	
100	PL2-BPSK	135	85	21.76			24.0	0.0	
100	PL2-BPSK	135	135	22.42			23.5	0.5	
100	QPSK	270	0	21.84					
100	QPSK	1	1	21.85			24.0	0.0	
100	QPSK	1	137	22.41					
100	QPSK	1	271	22.38			23.0	1.0	
100	QPSK	135	5	21.42			23.0	1.0	
100	QPSK	135	85	21.47			23.0	1.0	
100	QPSK	135	135	21.46			23.0	1.0	
100	QPSK	270	0	21.46			23.0	1.0	
100	8QAM	1	1	21.80			21.5	2.5	
100	256QAM	1	1	17.87			18.5	4.5	
Channel									
Frequency (MHz)				839050	839334	839666	Turn-up time (dBm)	MFR	
				839050	839334	839666			
90	QPSK	1	1	22.54	22.77	22.55	24.0	0.0	
Channel									
Frequency (MHz)				839050	839334	839666	Turn-up time (dBm)	MFR	
				839050	839334	839666			
80	QPSK	1	1	22.30	22.75	22.41	24.0	0.0	
Channel									
Frequency (MHz)				839735	840000	839935	Turn-up time (dBm)	MFR	
				839735	840000	839935			
70	QPSK	1	1	22.83	22.88	22.85	24.0	0.0	
Channel									
Frequency (MHz)				839858	840000	839958	Turn-up time (dBm)	MFR	
				839858	840000	839958			
60	QPSK	1	1	22.44	22.71	22.54	24.0	0.0	
Channel									
Frequency (MHz)				839334	840000	839668	Turn-up time (dBm)	MFR	
				839334	840000	839668			
50	QPSK	1	1	22.59	22.72	22.42	24.0	0.0	
Channel									
Frequency (MHz)				839898	840000	840298	Turn-up time (dBm)	MFR	
				839898	840000	840298			
40	QPSK	1	1	22.53	22.69	22.50	24.0	0.0	
Channel									
Frequency (MHz)				839735	840000	839935	Turn-up time (dBm)	MFR	
				839735	840000	839935			
30	QPSK	1	1	22.42	22.76	22.42	24.0	0.0	
Channel									
Frequency (MHz)				839334	840000	839668	Turn-up time (dBm)	MFR	
				839334	840000	839668			
20	QPSK	1	1	22.48	22.71	22.50	24.0	0.0	

Par270 n77 Ant 8_PC3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (mW)	Power Max Ch.1 (mW)	Power High Ch.1 (mW)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	22.88	22.96	22.85	
100	PI2 BPSK	1	137	22.85	22.84	22.89	24.0
100	PI2 BPSK	1	271	22.83	22.85	22.85	
100	PI2 BPSK	135	0	22.76	22.87	22.81	24.0
100	PI2 BPSK	135	66	22.71	22.81	22.72	24.0
100	PI2 BPSK	135	138	22.72	22.76	22.69	24.0
100	PI2 BPSK	270	0	22.88	22.82	22.76	
100	QPSK	1	1	22.92	22.95	22.95	
100	QPSK	1	137	22.89	22.82	22.89	24.0
100	QPSK	1	271	22.88	22.93	22.95	
100	QPSK	135	0	22.84	22.82	22.79	24.0
100	QPSK	135	66	22.71	22.86	22.74	24.0
100	QPSK	135	138	22.69	22.77	22.64	24.0
100	QPSK	270	0	22.74	22.84	22.86	
100	16QAM	1	1	22.86	22.74	22.66	24.0
100	16QAM	1	1	21.84	21.68	21.61	23.0
100	16QAM	1	1	20.43	20.70	20.49	21.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.82	22.96	22.71	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.89	22.96	22.82	24.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.75	22.89	22.79	24.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.78	22.82	22.71	24.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.78	22.86	22.84	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.78	22.88	22.75	24.0

Par270 n77 Ant 8_PC2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (mW)	Power Max Ch.1 (mW)	Power High Ch.1 (mW)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	26.17	26.25	26.38	
100	PI2 BPSK	1	137	26.15	26.25	26.18	27.0
100	PI2 BPSK	1	271	26.18	26.25	26.18	
100	PI2 BPSK	135	0	25.72	25.75	25.89	26.5
100	PI2 BPSK	135	66	25.67	25.72	25.67	27.0
100	PI2 BPSK	135	138	25.68	25.71	25.82	26.5
100	PI2 BPSK	270	0	25.73	25.75	25.75	26.5
100	QPSK	1	1	25.18	25.35	25.29	
100	QPSK	1	137	26.16	26.22	26.18	27.0
100	QPSK	1	271	26.14	26.25	26.20	
100	QPSK	135	0	25.15	25.28	25.18	26.5
100	QPSK	135	66	25.06	25.14	25.04	27.0
100	QPSK	135	138	25.14	25.34	25.30	26.5
100	QPSK	270	0	25.17	25.27	25.22	26.5
100	16QAM	1	1	25.15	25.17	25.06	26.5
100	16QAM	1	1	23.88	24.49	24.80	25.0
100	16QAM	1	1	21.81	21.90	21.86	23.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	25.09	25.16	25.06	27.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	25.84	25.21	25.04	27.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	25.84	25.13	25.10	27.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	25.84	25.09	25.14	27.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	25.98	25.12	25.12	27.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	25.05	25.20	25.39	27.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	25.84	25.87	26.18	27.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	25.97	26.17	26.06	27.0

Par127Q n77_Ant 8_PC3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (mW)	Power Max Ch.1 (mW)	Power High Ch.1 (mW)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	22.85			
100	PI2 BPSK	1	137	22.89			24.0
100	PI2 BPSK	1	271	22.85			
100	PI2 BPSK	135	0	22.72			24.0
100	PI2 BPSK	135	66	22.67			24.0
100	PI2 BPSK	135	138	22.75			24.0
100	PI2 BPSK	270	0	22.88			24.0
100	QPSK	1	1	22.95			
100	QPSK	1	137	22.89			24.0
100	QPSK	1	271	22.95			
100	QPSK	135	0	22.89			24.0
100	QPSK	135	66	22.65			24.0
100	QPSK	135	138	22.65			24.0
100	QPSK	270	0	22.87			24.0
100	16QAM	1	1	22.81			24.0
100	16QAM	1	1	21.55			23.0
100	16QAM	1	1	20.41			21.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.85	22.94	22.93	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.85	22.89	22.95	24.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.85	22.76	22.68	24.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.83	22.78	22.61	24.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.87	22.75	22.64	24.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.89	22.83	22.61	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.83	22.87	22.68	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.81	22.74	22.70	24.0

Part27Q n77_Ant 8_PC2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (mW)	Power Max Ch.1 (mW)	Power High Ch.1 (mW)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	25.13	26.13		
100	PI2 BPSK	1	137	25.21	26.21	27.0	0.0
100	PI2 BPSK	1	271	25.28	26.28		
100	PI2 BPSK	135	0	25.89	26.59	26.5	0.0
100	PI2 BPSK	135	66	25.95	26.65	27.0	0.0
100	PI2 BPSK	135	138	25.88	26.58	26.5	0.0
100	PI2 BPSK	270	0	25.71	26.41	26.5	0.0
100	QPSK	1	1	25.21	26.21		
100	QPSK	1	137	25.19	26.19	27.0	0.0
100	QPSK	1	271	25.21	26.21		
100	QPSK	135	0	25.24	26.24	26.5	0.0
100	QPSK	135	66	25.10	26.10	27.0	0.0
100	QPSK	135	138	25.10	26.10	26.5	0.0
100	QPSK	270	0	25.27	26.27	26.5	0.0
100	16QAM	1	1	25.12	26.12	26.5	0.0
100	16QAM	1	1	24.04	25.04	25.0	2.0
100	16QAM	1	1	21.76	22.76	22.5	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	25.97	25.97	25.95	27.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	25.84	26.03	26.06	27.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	25.82	26.14	26.02	27.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	25.87	26.18	26.00	27.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	25.89	26.14	26.05	27.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	25.87	26.19	26.01	27.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	25.84	26.12	26.06	27.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	25.97	26.13	26.05	27.0

Part270 n78_Ant 8_PC3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up time (dBm)
Channel				850000	850000	850000	MPR (dB)
Frequency (MHz)							
100	PI-C BPSK	1	1	22.01	22.01	22.01	
100	PI-C BPSK	1	137	22.02		24.0	0.0
100	PI-C BPSK	1	271	22.03			
100	PI-C BPSK	135	0	22.06		23.5	0.5
100	PI-C BPSK	135	86	22.02		23.5	0.5
100	PI-C BPSK	135	138	22.03			
100	PI-C BPSK	270	0	22.07		23.5	0.5
100	QPSK	1	1	22.05			
100	QPSK	1	137	22.09		24.0	0.0
100	QPSK	1	271	22.03			
100	QPSK	135	0	22.19		23.0	1.0
100	QPSK	135	86	22.06		23.5	0.5
100	QPSK	135	138	22.08			
100	QPSK	270	0	22.02		23.0	1.0
100	16QAM	1	1	22.20		23.0	1.0
100	16QAM	1	1	20.77		21.5	2.5
100	16QAM	1	1	18.53		18.5	4.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.72	22.85	22.57	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.70	22.71	22.69	24.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.66	22.84	22.67	24.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.53	22.84	22.73	24.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.81	22.85	22.69	24.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.39	22.88	22.69	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.08	22.86	22.67	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.04	22.69	22.64	24.0

Part270 n78_Ant 8_PC3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up time (dBm)
Channel				833334	833334	833334	MPR (dB)
Frequency (MHz)							
100	PI-C BPSK	1	1	22.87			
100	PI-C BPSK	1	137	22.84		24.0	0.0
100	PI-C BPSK	1	271	22.83			
100	PI-C BPSK	135	0	22.45		24.0	0.0
100	PI-C BPSK	135	86	22.86			
100	PI-C BPSK	135	138	22.42			
100	PI-C BPSK	270	0	22.87		23.5	0.5
100	QPSK	1	1	22.87			
100	QPSK	1	137	22.86		24.0	0.0
100	QPSK	1	271	22.84			
100	QPSK	135	0	22.07			
100	QPSK	135	86	22.06		24.0	0.0
100	QPSK	135	138	22.05			
100	QPSK	270	0	22.06		23.0	1.0
100	16QAM	1	1	22.74		24.0	1.0
100	16QAM	1	1	20.72		21.5	2.5
100	16QAM	1	1	18.51		18.5	4.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.80	22.73	22.59	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.80	22.80	22.80	24.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.68	22.82	22.64	24.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.52	22.71	22.52	24.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.58	22.80	22.81	24.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.70	22.78	22.70	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.73	22.80	22.69	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.69	22.77	22.54	24.0



Reduced Power Level for SRS

Par270 n77 Ant8_PC3 DSIS									
SV [MHz]	Modulation	RB Size	RB Offset	Power Mid Ch./ Freq. [dBm]	Power Mid Ch./ Freq. [dBm]	Power Mid Ch./ Freq. [dBm]	Time-up time [min]	MPE [dB]	
Channel									
Frequency [MHz]									
100	PUS2 BPSK	1	1	18.28	17.81	17.87		18.2	0.0
100	PUS2 BPSK	1	137	17.87	18.08	17.97			
100	PUS2 BPSK	1	271	18.03	18.10	18.01			
100	PUS2 BPSK	135	0	17.88	17.85	18.01		18.2	0.0
100	PUS2 BPSK	135	88	17.88	17.83	18.06			
100	PUS2 BPSK	135	158	17.85	17.85	18.01			
100	PUS2 BPSK	270	0	17.87	17.81	18.00		18.2	0.0
100	QPSK	1	1	18.01	18.01	18.08			
100	QPSK	1	137	17.81	18.01	17.88			
100	QPSK	1	271	18.02	18.10	18.10		18.2	0.0
100	QPSK	135	0	17.77	17.84	17.85			
100	QPSK	135	88	17.80	17.88	17.88			
100	QPSK	135	158	17.81	17.85	17.85		18.2	0.0
100	QPSK	270	0	17.88	17.81	17.88			
100	16QAM	1	1	17.88	17.80	17.80		18.2	0.0
100	16QAM	1	1	18.05	18.02	18.04			
100	256QAM	1	1	17.88	17.88	17.88			
Channel									
30	QPSK	1	1	18.02	18.04	18.00		18.2	0.0
30	QPSK	1	137	17.81	18.01	17.88			
30	QPSK	1	271	18.03	18.08	18.08			
30	QPSK	1	1	17.83	17.85	18.02		18.2	0.0
30	QPSK	1	137	17.83	17.84	17.83			
30	QPSK	1	271	17.84	17.88	17.88			
30	QPSK	135	0	17.84	17.88	18.00		18.2	0.0
30	QPSK	135	88	17.84	17.88	18.00			
30	QPSK	135	158	17.84	17.88	18.00			
30	QPSK	270	0	17.84	17.88	18.00		18.2	0.0
30	QPSK	1	1	18.00	17.85	17.88			
30	QPSK	1	1	17.85	17.85	18.00			
30	QPSK	1	1	17.89	17.79	17.88		18.2	0.0
30	QPSK	1	1	17.81	17.81	18.00			
30	QPSK	1	1	17.82	17.85	18.00			
30	QPSK	1	1	17.82	17.85	18.00		18.2	0.0
30	QPSK	1	1	17.82	17.85	18.00			
30	QPSK	1	1	17.82	17.85	18.00			

Par270 n77 Ant8_PC2 DSIS									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. [dBm]	Power Mid Ch./Freq. [dBm]	Power High Ch./Freq. [dBm]	Time-up time [min]	MPE [dB]	
Channel									
Frequency [MHz]									
100	PUS2 BPSK	1	1	19.28	19.22	19.21	21.2	0.0	
100	PUS2 BPSK	1	137	19.32	19.28	19.32			
100	PUS2 BPSK	1	271	19.30	19.21	19.25			
100	PUS2 BPSK	135	0	19.24	19.25	19.25	21.2	0.0	
100	PUS2 BPSK	135	88	19.27	19.28	19.29			
100	PUS2 BPSK	135	158	19.30	19.22	19.29			
100	PUS2 BPSK	270	0	19.28	19.28	19.21	21.2	0.0	
100	QPSK	1	1	19.36	19.30	19.40			
100	QPSK	1	137	19.29	19.31	19.32			
100	QPSK	1	271	19.41	19.40	19.33	21.2	0.0	
100	QPSK	135	0	19.27	19.21	19.25			
100	QPSK	135	88	19.21	19.38	19.24			
100	QPSK	135	158	19.28	19.26	19.23	21.2	0.0	
100	QPSK	270	0	19.26	19.38	19.28			
100	16QAM	1	1	19.34	19.26	19.26	21.2	0.0	
100	16QAM	1	1	19.35	19.35	19.35			
100	256QAM	1	1	19.38	19.29	19.40			
Channel									
30	QPSK	1	1	19.21	19.26	19.26	21.2	0.0	
30	QPSK	1	137	19.21	19.26	19.26			
30	QPSK	1	271	19.21	19.24	19.23			
30	QPSK	1	1	19.24	19.23	19.21	21.2	0.0	
30	QPSK	1	137	19.24	19.23	19.23			
30	QPSK	1	271	19.21	19.24	19.23			
30	QPSK	135	0	19.24	19.23	19.21	21.2	0.0	
30	QPSK	135	88	19.24	19.23	19.21			
30	QPSK	135	158	19.24	19.23	19.21			
30	QPSK	270	0	19.24	19.23	19.21	21.2	0.0	
30	QPSK	1	1	19.21	19.24	19.23			
30	QPSK	1	1	19.21	19.24	19.23			
30	QPSK	1	1	19.21	19.24	19.23	21.2	0.0	
30	QPSK	1	1	19.21	19.24	19.23			
30	QPSK	1	1	19.21	19.24	19.23			

Par270 n77_Ant 8_PC3 DSIS									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. [dBm]	Power Mid Ch./Freq. [dBm]	Power High Ch./Freq. [dBm]	Time-up time [min]	MPE [dB]	
Channel									
Frequency [MHz]									
100	PUS2 BPSK	1	1	17.78			18.2	0.0	
100	PUS2 BPSK	1	137	17.80					
100	PUS2 BPSK	1	271	17.78					
100	PUS2 BPSK	135	0	17.78			18.2	0.0	
100	PUS2 BPSK	135	88	17.74					
100	PUS2 BPSK	135	158	17.74					
100	PUS2 BPSK	270	0	17.68			18.2	0.0	
100	QPSK	1	1	17.78					
100	QPSK	1	137	17.78					
100	QPSK	1	271	17.80			18.2	0.0	
100	QPSK	135	0	17.68					
100	QPSK	135	88	17.78					
100	QPSK	135	158	17.68			18.2	0.0	
100	QPSK	270	0	17.68					
100	16QAM	1	1	17.68			18.2	0.0	
100	16QAM	1	1	17.75					
100	256QAM	1	1	17.64					
Channel									
30	QPSK	1	1	17.68			18.2	0.0	
30	QPSK	1	137	17.68					
30	QPSK	1	271	17.68					
30	QPSK	1	1	17.64			18.2	0.0	
30	QPSK	1	137	17.64					
30	QPSK	1	271	17.64					
30	QPSK	135	0	17.64			18.2	0.0	
30	QPSK	135	88	17.64					
30	QPSK	135	158	17.64					
30	QPSK	270	0	17.64			18.2	0.0	
30	QPSK	1	1	17.64					
30	QPSK	1	1	17.64					
30	QPSK	1	1	17.64			18.2	0.0	
30	QPSK	1	1	17.64					
30	QPSK	1	1	17.64					

Par270 n77_Ant 8_PC2 DSIS									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. [dBm]	Power Mid Ch./Freq. [dBm]	Power High Ch./Freq. [dBm]	Time-up time [min]	MPE [dB]	
Channel									
Frequency [MHz]									
100	PUS2 BPSK	1	1	19.28			21.2	0.0	
100	PUS2 BPSK	1	137	19.30					
100	PUS2 BPSK	1	271	19.30					
100	PUS2 BPSK	135	0	19.30			21.2	0.0	
100	PUS2 BPSK	135	88	19.30					
100	PUS2 BPSK	135	158	19.30					
100	PUS2 BPSK	270	0	19.30			21.2	0.0	
100	QPSK	1	1	19.30					
100	QPSK	1	137	19.30					
100	QPSK	1	271	19.30			21.2	0.0	
100	QPSK	135	0	19.30					
100	QPSK	135	88	19.30					
100	QPSK	135	158	19.30			21.2	0.0	
100	QPSK	270	0	19.30					
100	16QAM	1	1	19.30					
100	256QAM	1	1	19.30			21.2	0.0	
100	256QAM	1	1	19.30					
100	256QAM	1	1	19.30					
Channel									
30	QPSK	1	1	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30			21.2	0.0	
30	QPSK	1	137	19.30					
30	QPSK	1	271	19.30					

Part270 n78 Ant6_PC3 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Mid Ch./ Freq.	Power High Ch./ Freq.	Channel Spacing (MHz)	MPE (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PL2-BPSK	1	1	18.81			18.2	0.0	
100	PL2-BPSK	1	137	18.84					
100	PL2-BPSK	1	271	18.88			18.2	0.0	
100	PL2-BPSK	135	0	18.78					
100	PL2-BPSK	135	89	18.75			18.2	0.0	
100	PL2-BPSK	135	138	18.76					
100	PL2-BPSK	270	0	18.73			18.2	0.0	
100	QPSK	1	1	17.90					
100	QPSK	1	137	18.02			18.2	0.0	
100	QPSK	1	271	18.80					
100	QPSK	135	0	18.88			18.2	0.0	
100	QPSK	135	89	18.97					
100	QPSK	135	138	18.78			18.2	0.0	
100	QPSK	270	0	18.74					
100	16QAM	1	1	17.90			18.2	0.0	
100	16QAM	1	1	18.02					
100	256QAM	1	1	18.76			18.2	0.0	
100	256QAM	1	1	18.97					
Channel									
Frequency (MHz)				64500	64500	64500			
30	QPSK	1	1	18.82	18.82	18.81	18.2	0.0	
Channel									
Frequency (MHz)				64534	64534	64534			
30	QPSK	1	1	18.82	18.82	18.81	18.2	0.0	
Channel									
Frequency (MHz)				64568	64568	64568			
30	QPSK	1	1	18.82	18.82	18.81	18.2	0.0	
Channel									
Frequency (MHz)				64600	64600	64600			
70	QPSK	1	1	18.81	18.82	18.80	18.2	0.0	
Channel									
Frequency (MHz)				64634	64634	64634			
70	QPSK	1	1	18.80	18.82	18.80	18.2	0.0	
Channel									
Frequency (MHz)				64668	64668	64668			
70	QPSK	1	1	18.76	18.80	18.80	18.2	0.0	
Channel									
Frequency (MHz)				64700	64700	64700			
30	QPSK	1	1	18.82	18.87	18.81	18.2	0.0	
Channel									
Frequency (MHz)				64734	64734	64734			
40	QPSK	1	1	18.76	18.80	18.80	18.2	0.0	
Channel									
Frequency (MHz)				64768	64768	64768			
30	QPSK	1	1	18.80	18.82	18.81	18.2	0.0	
Channel									
Frequency (MHz)				64800	64800	64800			
20	QPSK	1	1	18.97	18.91	18.79	18.2	0.0	

Part27Q n78_Ant 8_PC3 DSI3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Channel Spacing (MHz)	MPE (dB)			
Channel											
Frequency (MHz)				64500							
100	PL2-BPSK	1	1	17.62			18.2	0.0			
100	PL2-BPSK	1	137	17.65							
100	PL2-BPSK	1	271	17.11			18.2	0.0			
100	PL2-BPSK	135	0	18.87							
100	PL2-BPSK	135	89	18.94			18.2	0.0			
100	PL2-BPSK	135	138	18.95							
100	PL2-BPSK	270	0	18.96			18.2	0.0			
100	QPSK	1	1	17.64							
100	QPSK	1	137	17.65			18.2	0.0			
100	QPSK	1	271	17.18							
100	QPSK	135	0	17.10			18.2	0.0			
100	QPSK	135	89	17.20							
100	QPSK	135	138	17.00			18.2	0.0			
100	QPSK	270	0	17.00							
100	16QAM	1	1	17.68			18.2	0.0			
100	16QAM	1	1	17.15							
100	256QAM	1	1	18.97			18.2	0.0			
100	256QAM	1	1	18.97							
Channel											
Frequency (MHz)				64500	64534	64568					
30	QPSK	1	1	18.20	18.24	18.24	18.2	0.0			
Channel											
Frequency (MHz)				64568	64534	64568					
30	QPSK	1	1	18.24	18.20	18.20	18.2	0.0			
Channel											
Frequency (MHz)				64600	64534	64634					
70	QPSK	1	1	17.14	17.11	17.11	18.2	0.0			
Channel											
Frequency (MHz)				64634	64534	64668					
70	QPSK	1	1	17.02	17.07	17.11	18.2	0.0			
Channel											
Frequency (MHz)				64668	64534	64700					
30	QPSK	1	1	17.07	17.04	17.00	18.2	0.0			
Channel											
Frequency (MHz)				64700	64534	64734					
40	QPSK	1	1	17.01	17.20	18.00	18.2	0.0			
Channel											
Frequency (MHz)				64734	64534	64768					
30	QPSK	1	1	17.19	17.09	17.00	18.2	0.0			
Channel											
Frequency (MHz)				64768	64534	64800					
20	QPSK	1	1	17.14	17.09	18.00	18.2	0.0			

WLAN/Bluetooth Power

[illegible]

Note: The 2.4GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

[illegible]

Note: The 5GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

[illegible]

Note: The 5GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

Ant 5+6 Full Power&Head (Standalone)						Ant 5+6 Head&Body-worn (Simultaneous For DBS Only)		Ant 5+6 Head&Body-worn (Simultaneous For WWAN+DBS)		Ant 5+6 Handheld (Simultaneous For DBS Only)		Ant 5+6 Headheld (Simultaneous For WWAN + DBS)									
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %							
5.5GHz WLAN	802.11a 6Mbps	100	5500	21.04	22.50	Nont Required				Nont Required				100.00							
		116	5580	21.06	22.50																
		124	5620	21.07	22.50																
		132	5660	21.03	22.50																
		140	5700	20.89	22.50																
		144	5720	20.91	22.50																
	802.11n-HT20 MCS0	100	5500	20.93	22.50																100.00
		116	5580	21.06	22.50																
		124	5620	20.88	22.50																
		132	5660	20.90	22.50																
		140	5700	20.73	22.00																
		144	5720	20.80	22.50																
	802.11n-HT40 MCS0	102	5510	20.08	21.50					Nont Required			Nont Required		20.08	21.50	Nont Required		100.00		
		110	5550	20.20	21.50										20.20	21.50					
		126	5630	19.91	21.50										19.91	21.50					
		134	5670	19.97	21.50										19.97	21.50					
		142	5710	19.92	21.50										19.92	21.50					
		100	5500	20.89	22.50																
	802.11ac- VHT20 MCS0	116	5580	21.01	22.50														100.00		
		124	5620	20.84	22.50																
		132	5660	20.85	22.50																
		140	5700	20.64	22.00																
		144	5720	20.75	22.00																
		102	5510	19.98	21.50																
	802.11ac- VHT40 MCS0	110	5550	20.12	21.50														100.00		
		126	5630	19.82	21.50																
		134	5670	19.88	21.50																
		142	5710	19.84	21.50																
		106	5530	18.98	20.50	18.98	20.50	14.80	16.00			16.31								17.50	
		122	5610	18.90	20.50	18.90	20.50	14.71	16.00			16.23								17.50	
	802.11ac- VHT160 MCS0	138	5690	18.73	20.00	18.73	20.00	14.66	16.00	16.08	17.50	Nont Required		100.00							
		114	5570	18.40	20.00	Nont Required										100.00					
		802.11ax-HE20 MCS0	100	5500	20.97												22.50				
	116		5580	21.10	22.50																
	124		5620	20.91	22.50																
	132		5660	20.96	22.50																
	140		5700	20.80	22.50																
	144		5720	20.87	22.50																
	802.11ax-HE40 MCS0	102	5510	20.10	21.50	Nont Required		Nont Required						100.00							
		110	5550	20.22	21.50																
		126	5630	19.95	21.50																
		134	5670	20.01	21.50																
		142	5710	19.95	21.50																
		106	5530	19.01	20.50										100.00						
	802.11ax-HE80 MCS0	122	5610	18.92	20.50	100.00															
		138	5690	18.76	20.00																
		802.11ax- HE160 MCS0	114	5570	18.44		20.00	100.00													

Note: The 5GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

Ant 5+6 Full Power						Ant 5+6 Head standalone		Ant 5+6 Head (Simultaneous For DBS Only)		Ant 5+6 Head (Simultaneous For WWAN + DBS)		Ant 5+6 Body-worn (Simultaneous For DBS Only)		Ant 5+6 Body-worn (Simultaneous For WWAN + DBS)		Ant 5+6 Hotspot standalone		Ant 5+6 Hotspot (Simultaneous For WWAN + DBS)				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.93	22.50	20.50	22.00													100.00		
		157	5785	21.06	22.50	20.58	22.00															
		165	5825	21.31	22.50	20.86	22.00															
	802.11n-HT20 MCS0	149	5745	20.79	22.50	Nont Required															100.00	
		157	5785	20.93	22.50																	
		165	5825	21.23	22.50																	
	802.11n-HT40 MCS0	151	5755	19.96	21.50			Nont Required		Nont Required				Nont Required		Nont Required		Nont Required				100.00
		159	5795	20.05	21.50																	
		149	5745	20.71	22.00																	
	802.11ac-VHT20 MCS0	157	5785	20.86	22.50																	100.00
		165	5825	21.11	22.50																	
		151	5755	19.86	21.50								19.86	21.50								
	802.11ac-VHT40 MCS0	159	5795	19.90	21.50									19.90	21.50							100.00
		155	5775	18.85	20.50			18.31	19.50	14.20	15.50				15.96	17.00	18.85	20.50	12.77	14.00	100.00	
	802.11ax-HE20 MCS0	149	5745	20.81	22.50																	100.00
		157	5785	20.99	22.50																	
		165	5825	21.28	22.50																	
	802.11ax-HE40 MCS0	151	5755	20.00	21.50				Nont Required		Nont Required					Nont Required		Nont Required			100.00	
		159	5795	20.10	21.50																	
	802.11ax-HE80 MCS0	155	5775	18.89	20.50																100.00	

Note: The 5GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

BT BR/EDR Ant 4

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	13.53	10.52	10.58	14
	CH 39	2441	12.12	9.59	9.34	13.5
	CH 78	2480	10.49	7.63	7.58	11.5

BLE_1M Ant 4

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	10.05
	CH 19	2440	8.73
	CH 39	2480	7.37
Tune-up Limit			11

BLE_2M Ant 4

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	10.06
	CH 19	2440	8.96
	CH 39	2480	7.62
Tune-up Limit			11.00

BT BR/EDR Ant 6

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	14.18	11.58	11.56	15
	CH 39	2441	15.04	12.48	12.44	16
	CH 78	2480	15.32	12.57	12.63	16.5

BLE_1M Ant 6

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	8.29
	CH 19	2440	8.57
	CH 39	2480	7.58
Tune-up Limit			9.5

BLE_2M Ant 6

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	8.32
	CH 19	2440	8.86
	CH 39	2480	7.80
Tune-up Limit			9.50



Appendix F. Supplemental Tuner Head & Body SAR Results

The results are shown as follows.



Head (Antenna #0, Slave ID=6)

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
									Auto-Tune	0	11	22	33	44	55	66	77	88	99	110	121	132	143	154	165
WCDMA B2	RMC 12.2Kbps	9400	1880			Left Cheek	0mm	0.049	0.064	0.006	0.025	0.031	0.032	0.028	0.029	0.020	0.016	0.025	0.032	0.031	0.023	0.032	0.029	0.025	0.015

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
WCDMA B5	RMC 12.2Kbps	4182	836.4			Right Cheek	0mm	0.189	Auto-Tune	1	12	23	34	45	56	67	78	89	100	111	122	133	144	155
									0.219	0.005	0.002	0.001	0.120	0.050	0.110	0.005	0.001	0.029	0.090	0.080	0.074	0.130	0.110	0.084

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
LTE B2	QPSK	18900	1880	1	0	Left Cheek	0mm	0.048	Auto-Tune	2	13	24	35	46	57	68	79	90	101	112	123	134	145	156
									0.065	0.015	0.014	0.013	0.007	0.034	0.025	0.031	0.023	0.031	0.030	0.031	0.026	0.030	0.027	0.049

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
LTE B5	QPSK	20525		1	0	Right Cheek	0mm	0.168	Auto-Tune	3	14	25	36	47	58	69	80	91	102	113	124	135	146	157
									0.199	0.015	0.010	0.005	0.000	0.005	0.009	0.036	0.013	0.061	0.121	0.124	0.013	0.012	0.055	0.002

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
LTE B7	QPSK	21100	2535	1	0	Right Cheek	0mm	0.096	Auto-Tune	4	15	26	37	48	59	70	81	92	103	114	125	136	147	158
									0.14	0.051	0.054	0.051	0.055	0.084	0.067	0.051	0.039	0.041	0.043	0.081	0.069	0.071	0.056	0.063

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
LTE B12	QPSK	23095	707.5	1	0	Right Cheek	0mm	0.157	Auto-Tune	5	16	27	38	49	60	71	82	93	104	115	126	137	148	159
									0.179	0.102	0.061	0.039	0.022	0.003	0.030	0.105	0.049	0.025	0.088	0.100	0.096	0.056	0.032	0.010

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
LTE B13	QPSK	23230	782	1	0	Right Cheek	0mm	0.141	Auto-Tune	6	17	28	39	50	61	72	83	94	105	116	127	138	149	160
									0.153	0.045	0.051	0.028	0.012	0.110	0.088	0.061	0.024	0.113	0.001	0.011	0.034	0.021	0.004	0.022

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	7	18	29	40	51	62	73	84	95	106	117	128	139	150	161				
LTE B66 (4)	QPSK	132322	1745	1	0	Left Cheek	0mm	0.08	0.084	0.021	0.031	0.027	0.020	0.037	0.029	0.024	0.013	0.030	0.061	0.019	0.039	0.031	0.024	0.010				

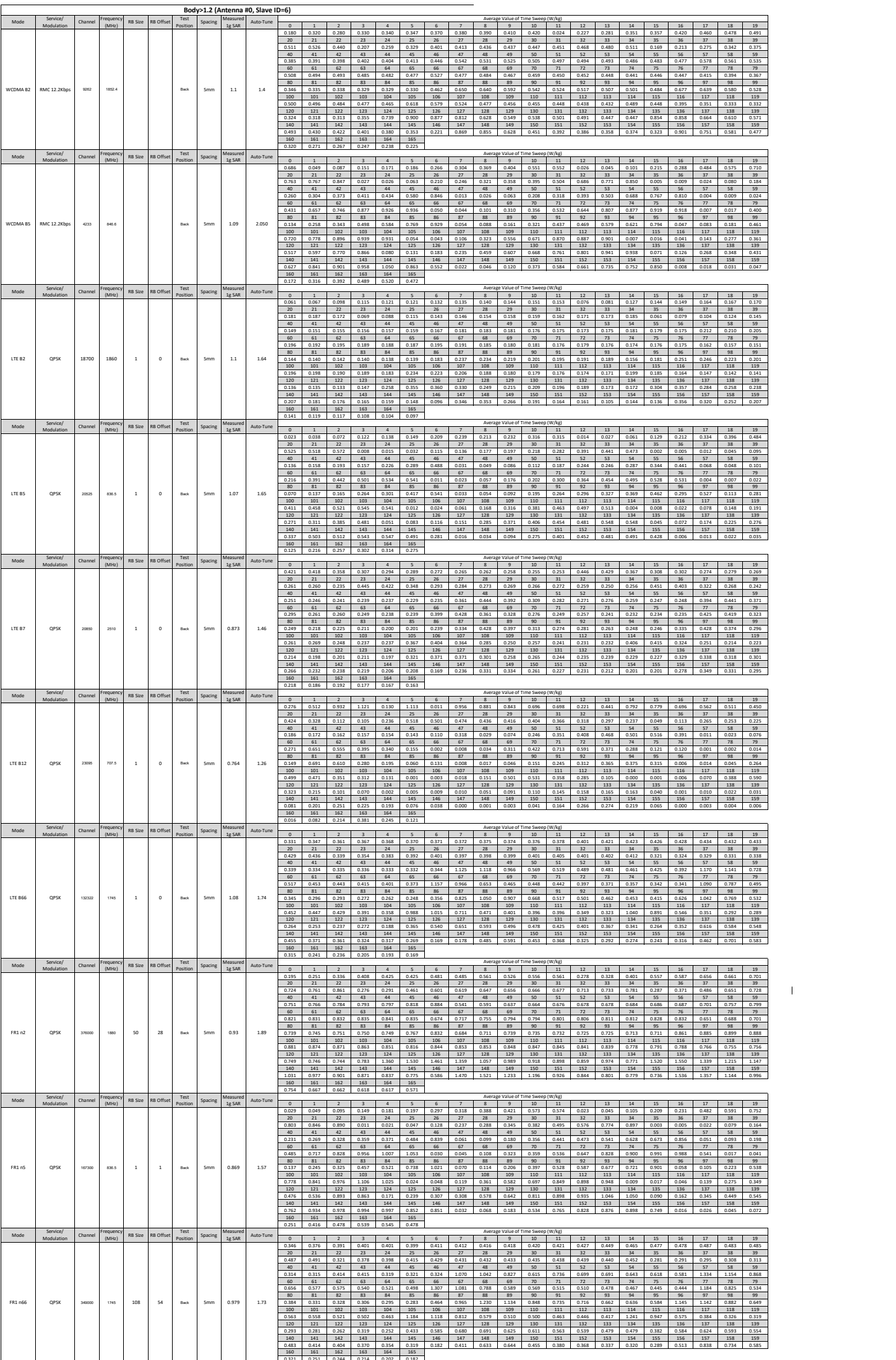
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
FR1 n2	QPSK	376000	1880	1	1	Left Cheek	0mm	0.03	Auto-Tune	8	19	30	41	52	63	74	85	96	107	118	129	140	151	162
									0.034	0.012	0.019	0.017	0.026	0.014	0.019	0.032	0.016	0.018	0.027	0.014	0.02	0.021	0.017	0.011

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
FR1 n5	QPSK	167300	836.5	50	28	Right Cheek	0mm	0.118	Auto-Tune	9	20	31	42	53	64	75	86	97	108	119	130	141	152	163
									0.121	0.054	0.111	0.063	0.041	0.075	0.113	0.102	0.089	0.017	0.052	0.046	0.112	0.102	0.118	0.068

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
FR1 n66	QPSK	349000	1745	108	54	Left Cheek	0mm	0.044	Auto-Tune	10	21	32	43	54	65	76	87	98	109	120	131	142	153	164
									0.069	0.016	0.019	0.027	0.011	0.019	0.034	0.012	0.033	0.027	0.014	0.006	0.015	0.011	0.008	0.003



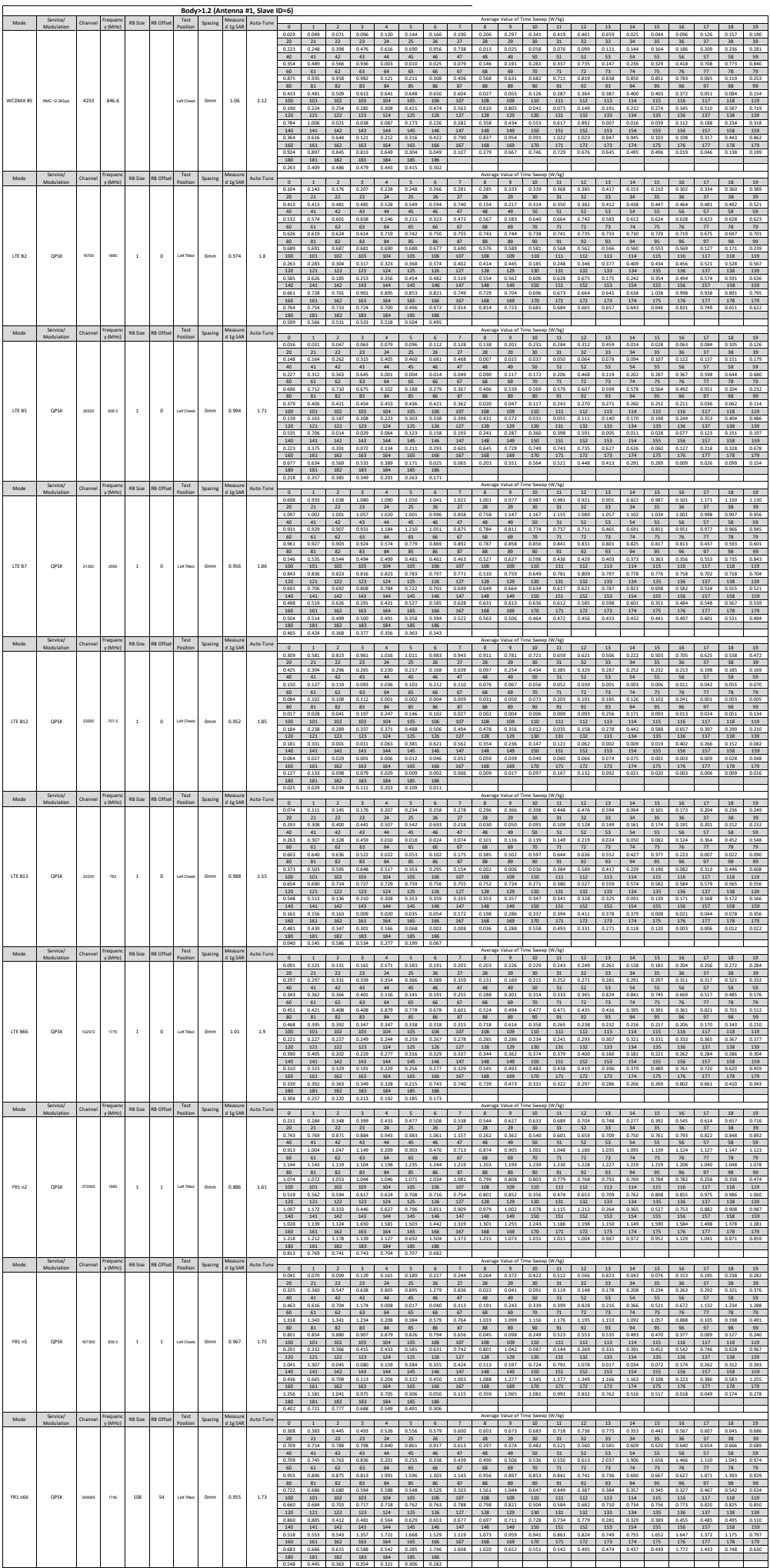
Head (Antenna #0, Slave ID=6)																									
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
									Auto-Tune	0	11	22	33	44	55	66	77	88	99	110	121	132	143	154	165
WCDMA B2	RMC 12.2Kbps	9262	1852.4			Back	5mm	1.1	1.400	0.180	0.430	0.440	0.480	0.400	0.490	0.527	0.415	0.640	0.528	0.460	0.324	0.491	0.401	0.374	0.225
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
WCDMA B5	RMC 12.2Kbps	4233	846.6			Back	5mm	1.09	2.05	0.049	0.026	0.027	0.850	0.580	0.810	0.044	0.017	0.170	0.720	0.870	0.770	0.990	1.050	0.850	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
LTE B2	QPSK	18700	1860	1	0	Back	5mm	1.1	1.64	0.098	0.081	0.088	0.061	0.167	0.212	0.185	0.151	0.201	0.198	0.174	0.147	0.172	0.148	0.356	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
LTE B5	QPSK	20525	836.5	1	0	Back	5mm	1.07	1.65	0.122	0.061	0.032	0.005	0.031	0.048	0.176	0.070	0.264	0.521	0.513	0.051	0.045	0.281	0.013	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
LTE B7	QPSK	20850	2510	1	0	Back	5mm	0.873	1.46	0.294	0.308	0.293	0.322	0.444	0.371	0.276	0.218	0.281	0.237	0.406	0.321	0.329	0.236	0.331	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
LTE B12	QPSK	23095	707.5	1	0	Back	5mm	0.764	1.26	0.057	0.696	0.474	0.253	0.074	0.271	0.713	0.610	0.365	0.131	0.001	0.009	0.010	0.001	0.006	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
LTE B13	QPSK	23230	782	1	0	Back	5mm	0.678	1.1	0.505	0.586	0.351	0.166	1.030	0.953	0.725	0.341	1.080	0.041	0.127	0.154	0.287	0.087	0.163	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
LTE B66 (4)	QPSK	132322	1745	1	0	Back	5mm	1.08	1.74	0.372	0.432	0.399	0.339	0.519	0.443	0.371	0.262	0.415	1.015	0.351	0.593	0.548	0.453	0.241	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
FR1 r2	QPSK	376000	1880	50	28	Back	5mm	0.93	1.89	0.561	0.701	0.666	0.766	0.678	0.835	0.812	0.767	0.861	0.853	0.755	0.989	1.031	0.926	0.662	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
FR1 r5	QPSK	167300	836.5	1	1	Back	5mm	0.869	1.57	0.421	0.803	0.495	0.328	0.541	1.007	0.991	1.021	0.105	0.361	0.349	0.811	0.934	0.828	0.539	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
FR1 r66	QPSK	349000	1745	108	54	Back	5mm	0.979	1.73	0.420	0.491	0.439	0.415	0.643	0.498	0.444	0.965	0.882	0.510	0.293	0.563	0.404	0.337	0.202	





Head (Antenna #1, Slave ID=6)

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
WCDMA B5	RMC 12.2Kbps	4233	846.6			Left Cheek	0mm	1.06	2.12	0.029	0.341	0.223	0.058	0.354	0.281	0.875	0.682	0.433	0.126	0.190	0.041	0.784	0.553	0.364	0.991	0.924	0.746	0.263
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	1	11	21	31	41	51	61	71	81	91	101	111	121	131	141	151	161	171	181
LTE B2	QPSK	18700	1880	1	0	Left Titled	0mm	0.974	1.71	0.047	0.312	0.262	0.350	0.574	0.664	0.619	0.741	0.691	0.568	0.283	0.248	0.626	0.628	0.728	0.673	0.754	0.684	0.566
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	2	12	22	32	42	52	62	72	82	92	102	112	122	132	142	152	162	172	182
LTE B5	QPSK	20525	836.5	1	0	Left Cheek	0mm	0.994	1.71	0.047	0.312	0.262	0.064	0.363	0.468	0.710	0.607	0.421	0.270	0.187	0.111	0.014	0.591	0.391	0.735	0.569	0.448	0.385
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	3	13	23	33	43	53	63	73	83	93	103	113	123	133	143	153	163	173	183
LTE B7	QPSK	21350	2560	1	0	Left Titled	0mm	0.956	1.86	1.080	0.901	1.057	1.057	0.931	0.465	0.924	0.801	0.494	0.403	0.816	0.797	0.808	0.787	0.291	0.598	0.500	0.433	0.377
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	4	14	24	34	44	54	64	74	84	94	104	114	124	134	144	154	164	174	184
LTE B12	QPSK	23095	707.5	1	0	Left Cheek	0mm	0.952	1.85	1.016	0.222	0.230	0.252	0.036	0.003	0.001	0.126	0.247	0.171	0.371	0.442	0.063	0.009	0.006	0.075	0.164	0.174	0.184
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	5	15	25	35	45	55	65	75	85	95	105	115	125	135	145	155	165	175	185
LTE B13	QPSK	23230	782	1	0	Left Cheek	0mm	0.988	1.55	0.234	0.101	0.542	0.174	0.018	0.082	0.053	0.377	0.353	0.190	0.759	0.582	0.353	0.139	0.035	0.008	0.068	0.120	0.199
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	6	16	26	36	46	56	66	76	86	96	106	116	126	136	146	156	166	176	186
LTE B86	QPSK	132572	1770	1	0	Left Titled	0mm	1.01	1.9	0.191	0.204	0.389	0.311	0.191	0.669	0.678	0.361	0.318	0.206	0.267	0.333	0.329	0.262	0.277	0.761	0.743	0.802	0.173
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	7	17	27	37	47	57	67	77	87	97	107	117	127	137	147	157	167	177	
FR1 n2	QPSK	372000	1860	1	1	Left Titled	0mm	0.886	1.61	0.538	0.614	1.157	0.822	0.713	1.127	1.219	1.040	1.081	0.258	0.754	0.975	0.909	0.882	1.319	1.498	1.373	1.041	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	8	18	28	38	48	58	68	78	88	98	108	118	128	138	148	158	168	178	
FR1 n5	QPSK	167300	836.5	1	1	Left Cheek	0mm	0.967	1.75	0.264	0.238	0.022	0.321	0.191	1.234	1.033	0.198	0.045	0.127	0.801	0.828	0.513	0.312	1.088	0.583	0.359	0.174	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	9	19	29	39	49	59	69	79	89	99	109	119	129	139	149	159	169	179	
FR1 n66	QPSK	349000	1745	108	54	Left Titled	0mm	0.955	1.73	0.673	0.686	0.374	0.689	0.506	0.974	0.897	0.929	1.044	0.634	0.821	0.850	0.711	0.510	0.959	0.797	0.652	0.630	





Head (Antenna #1, Slave ID=6)

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
WCDMA B5	RMC 12.2Kbps	4233	846.6			Back	5mm	0.737	1.13	0.053	0.047	0.028	0.776	0.823	0.764	0.514	0.176	0.201	0.260	0.422	0.080	0.730	0.431	0.332	0.121	0.001	0.776	0.811

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	1	11	21	31	41	51	61	71	81	91	101	111	121	131	141	151	161	171	181
LTE B2	QPSK	18700	1860	1	0	Back	5mm	0.978	1.38	0.048	0.125	0.143	0.028	0.053	0.258	0.247	0.291	0.262	0.218	0.109	0.091	0.239	0.239	0.273	0.261	0.289	0.261	0.213

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	2	12	22	32	42	52	62	72	82	92	102	112	122	132	142	152	162	172	182
LTE B5	QPSK	20525	836.5	1	0	Back	5mm	0.652	1.11	0.043	0.259	0.216	0.059	0.281	0.331	0.593	0.518	0.411	0.248	0.174	0.108	0.018	0.434	0.265	0.578	0.421	0.341	0.351

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	3	13	23	33	43	53	63	73	83	93	103	113	123	133	143	153	163	173	183
LTE B7	QPSK	21350	2960	1	0	Back	5mm	1.05	1.68	1.243	1.154	1.370	1.328	1.140	0.512	1.140	1.010	0.891	0.731	1.540	1.470	1.408	1.210	0.474	1.144	0.903	0.827	0.719

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	4	14	24	34	44	54	64	74	84	94	104	114	124	134	144	154	164	174	184
LTE B12	QPSK	23095	707.5	1	0	Back	5mm	0.338	0.51	0.773	0.649	0.149	0.193	0.022	0.008	0.001	0.080	0.006	0.009	0.161	0.301	0.042	0.022	0.001	0.032	0.022	0.111	0.151

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	5	15	25	35	45	55	65	75	85	95	105	115	125	135	145	155	165	175	185
LTE B13	QPSK	23230	782	1	0	Back	5mm	0.43	0.667	0.261	0.234	0.288	0.161	0.021	0.075	0.067	0.298	0.292	0.154	0.595	0.614	0.441	0.151	0.035	0.005	0.051	0.061	0.163

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	6	16	26	36	46	56	66	76	86	96	106	116	126	136	146	156	166	176	186
LTE B66	QPSK	132322	1770	1	1	Back	5mm	1.09	2.11	0.226	0.281	0.323	0.323	0.243	0.562	0.618	0.901	0.266	0.194	0.298	0.383	0.341	0.234	0.567	0.641	0.695	0.701	0.802

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	7	17	27	37	47	57	67	77	87	97	107	117	127	137	147	157	167	177	187
FR1 n2	QPSK	372000	1860	1	1	Back	5mm	0.95	1.5	0.327	0.393	0.751	0.541	0.464	0.742	0.805	0.707	0.685	0.173	0.498	0.634	0.585	0.548	0.860	0.988	0.923	0.693	

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	8	18	28	38	48	58	68	78	88	98	108	118	128	138	148	158	168	178	188
FR1 n5	QPSK	167300	836.5	50	28	Back	5mm	0.489	0.745	0.261	0.589	0.204	0.203	0.523	0.437	0.172	0.036	0.072	0.141	0.652	0.023	0.224	0.718	0.697	0.710	0.666	0.511	

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	9	19	29	39	49	59	69	79	89	99	109	119	129	139	149	159	169	179	189
FR1 n66	QPSK	349000	1745	108	54	Back	5mm	0.98	1.71	0.383	0.385	0.212	0.385	0.286	0.556	0.515	0.541	0.629	0.368	0.468	0.472	0.384	0.276	0.528	0.446	0.357	0.348	



Body-1.2 (Antenna #1, Slave ID=6)																														
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune	Average Value of Time Sweep (W/kg)																				
LTE Band 2	QPSK	18700	1880	50	1	0	5mm	0.978	1.38	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
										0.034	0.048	0.051	0.069	0.076	0.088	0.089	0.097	0.099	0.011	0.116	0.125	0.131	0.142	0.051	0.071	0.101	0.117	0.126	0.136	
										20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
										0.141	0.143	0.042	0.043	0.046	0.047	0.051	0.064	0.012	0.017	0.026	0.028	0.032	0.035	0.037	0.039	0.041	0.043	0.045		
										40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
										0.046	0.053	0.234	0.255	0.056	0.081	0.123	0.181	0.212	0.223	0.246	0.258	0.288	0.274	0.264	0.267	0.267	0.258	0.251	0.253	
										60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	
										0.249	0.247	0.244	0.241	0.321	0.317	0.312	0.301	0.300	0.298	0.294	0.291	0.289	0.286	0.274	0.271	0.269	0.287	0.282	0.272	
										80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
										0.264	0.262	0.262	0.255	0.257	0.256	0.251	0.256	0.242	0.234	0.224	0.218	0.211	0.208	0.201	0.206	0.208	0.049	0.067	0.091	
										100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	
										0.101	0.109	0.115	0.123	0.122	0.137	0.141	0.149	0.156	0.167	0.138	0.091	0.133	0.142	0.157	0.167	0.175	0.197	0.202	0.216	
										120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	
										0.224	0.239	0.019	0.000	0.001	0.172	0.186	0.197	0.209	0.216	0.231	0.239	0.258	0.068	0.087	0.137	0.138	0.214	0.219	0.234	
										140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	
										0.249	0.273	0.271	0.071	0.389	0.369	0.334	0.294	0.287	0.273	0.269	0.261	0.257	0.243	0.246	0.456	0.431	0.392	0.359	0.311	
										160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	
										0.289	0.289	0.289	0.275	0.267	0.184	0.384	0.381	0.359	0.277	0.267	0.261	0.205	0.248	0.241	0.242	0.359	0.307	0.256	0.242	
										180	181	182	183	184	185	186														
										0.229	0.213	0.198	0.199	0.191	0.169	0.148														
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune	Average Value of Time Sweep (W/kg)																				
LTE Band 7	QPSK	21350	2560	1	0	Back	5mm	1.05	1.68	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
										0.741	1.043	1.200	1.243	1.260	1.260	1.257	1.239	1.255	1.190	1.260	1.167	1.146	1.154	1.075	1.121	1.126	1.540	1.490	1.471	
										20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
										1.426	1.441	1.374	1.370	1.310	0.290	0.250	0.993	1.231	1.481	1.488	1.449	1.360	1.328	1.286	1.291	1.261	1.251	1.210	1.216	
										40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
										1.210	1.178	1.147	1.140	1.310	1.480	1.280	1.010	0.998	0.971	0.971	0.924	0.901	0.512	0.777	0.982	1.010	1.180	1.210	1.160	
										60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	
										1.210	1.150	1.127	1.140	0.641	0.884	1.010	1.050	1.065	1.050	1.010	1.001	0.991	1.010	0.971	0.931	0.947	0.713	0.961	1.010	
										80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
										0.994	0.971	0.971	0.891	0.981	0.879	0.831	0.835	0.912	1.180	1.040	0.821	0.721	0.731	0.691	0.666	0.661	0.898	1.301	1.561	
										100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	
										1.580	1.580	1.560	1.540	1.550	1.490	1.512	1.467	1.410	1.448	1.111	1.210	1.498	1.470	1.455	1.421	1.410	1.316	1.326	1.296	
										120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	
										1.250	1.276	1.220	1.408	1.461	1.337	1.321	1.266	1.223	1.235	1.179	1.149	1.163	1.210	1.527	1.394	1.250	0.988	0.961	1.010	
										140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	
										0.931	0.934	0.926	0.474	0.696	0.946	1.060	1.104	1.177	1.181	1.153	1.000	1.153	1.144	1.134	0.747	0.757	0.975	1.010	0.006	
										160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	
										0.956	0.965	0.937	0.903	0.926	0.656	0.924	1.010	1.049	1.046	0.888	0.901	0.857	0.827	0.834	0.831	0.878	1.020	0.994	0.934	
										180	181	182	183	184	185	186														
										0.878	0.791	0.701	0.719	0.706	0.669	0.642														
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune	Average Value of Time Sweep (W/kg)																				
LTE B66	QPSK	132322	1745	1	0	Back	5mm	1.09	2.11	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
										0.122	0.151	0.171	0.184	0.199	0.209	0.219	0.226	0.226	0.248	0.249	0.256	0.264	0.282	0.175	0.213	0.241	0.281	0.297	0.301	
										20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
										0.312	0.321	0.351	0.355	0.372	0.381	0.399	0.323	0.163	0.201	0.251	0.269	0.274	0.295	0.305	0.309	0.318	0.323	0.327	0.337	
										40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
										0.344	0.361	0.368	0.401	0.208	0.152	0.193	0.243	0.261	0.278	0.287	0.295	0.321	0.789	0.914	0.876	0.779	0.562	0.513	0.473	
										60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	
										0.468	0.429	0.413	0.375	0.881	0.843	0.719	0.618	0.514	0.484	0.457	0.454	0.401	0.383	0.358	0.351	0.322	0.901	0.764	0.517	
										80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
										0.394	0.369	0.365	0.312	0.311	0.299	0.278	0.266	0.889	0.608	0.431	0.239	0.205	0.199	0.183	0.181	0.167	0.194	0.221	0.258	
										100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	
										0.259	0.267	0.272	0.278	0.278	0.278	0.291	0.291	0.298	0.301	0.307	0.264	0.295	0.328	0.341	0.352	0.357	0.362	0.383	0.381	0.394
										120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	
										0.395	0.401	0.236	0.264	0.301	0.324	0.333	0.341	0.345	0.353	0.359	0.364	0.389	0.189	0.196	0.205	0.228	0.231	0.262	0.271	
										140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	
										0.269	0.286	0.281	0.381	0.434	0.744	0.743	0.567	0.541	0.491	0.477	0.422	0.411	0.361	0.361	0.533	0.586	0.641	0.578	0.414	
										160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	
										0.352	0.347	0.317	0.303	0.278	0.142	0.448	0.695	0.511	0.452	0.284	0.278	0.255	0.245	0.223	0.225	0.726	0.701	0.381	0.321	
										180	181	182	183	184	185	186														
										0.300	0.237	0.182	0.178	0.161	0.153	0.146														
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune	Average Value of Time Sweep (W/kg)																				
FR1 n2	QPSK	372000	1880	1	1	Back	5mm	0.95	1.5	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
										0.135	0.182	0.218	0.256	0.277	0.297	0.311	0.327	0.335	0.336	0.401	0.435	0.453	0.487	0.179	0.244	0.351	0.393	0.427	0.458	
										20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
										0.474	0.473	0.565	0.561	0.600	0.640	0.692	0.751	0.167	0.233	0.347	0.385	0.423	0.465	0.484	0.501	0.523	0.541	0.563	0.593	
										40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
										0.613	0.667	0.697	0.767	0.339	0.200	0.305	0.464	0.560	0.583	0.649	0.681	0.669	0.732	0.753	0.754	0.752	0.742	0.740	0.735	
										60	61	62	63	64	65	66	67	68	69	70	71	72								